



SEACOAST

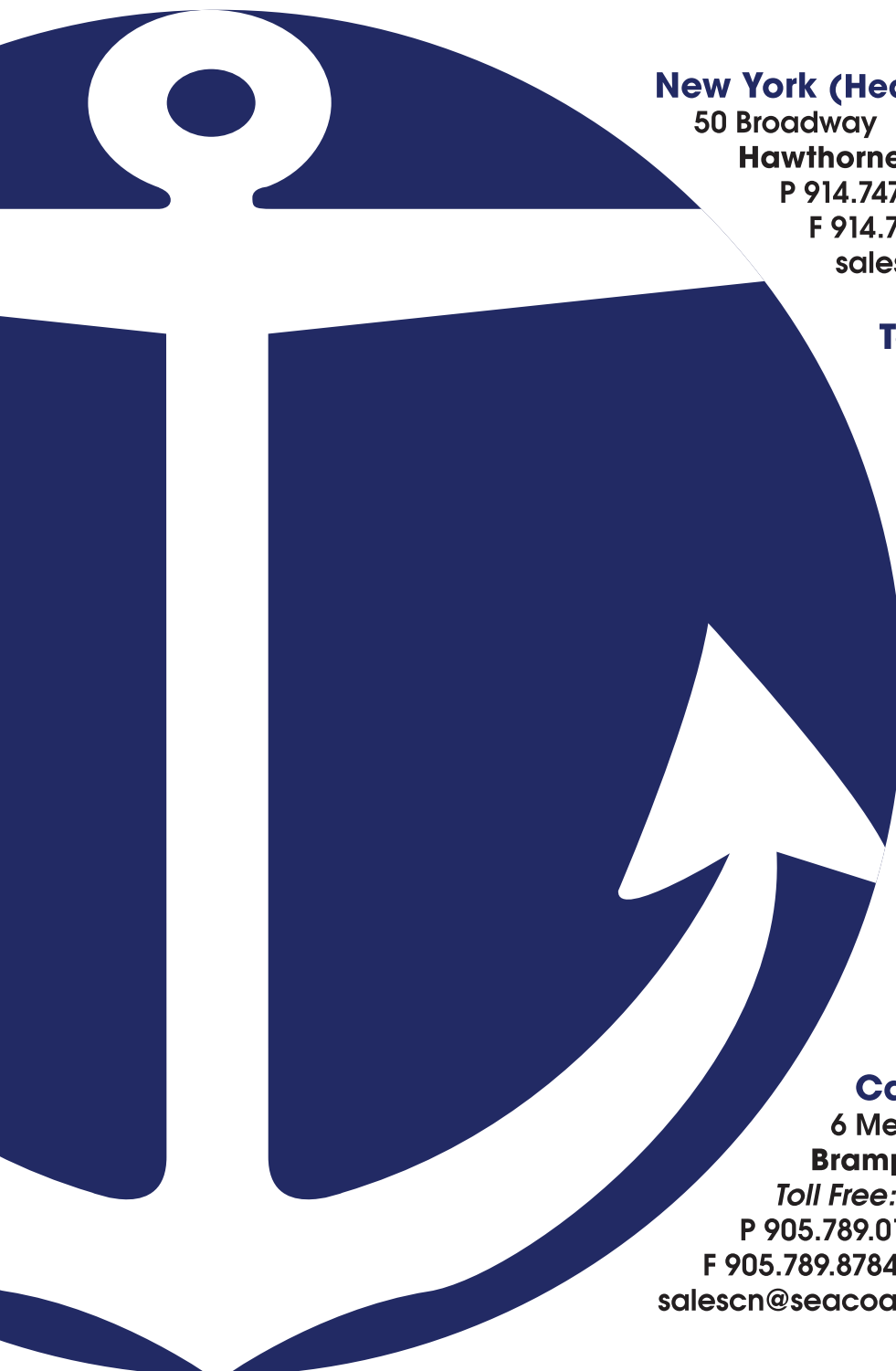
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U.S. NAVY & MILITARY

WIRE & CABLE
CATALOG



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★ ★ **Quality Policy** ★ ★

Seacoast, a GCG Company, is committed to providing the highest quality products and services to every customer, every time. Our goal is complete and total customer satisfaction before and after the sale.

To satisfy high customer expectations and earn customer confidence, Seacoast promises to excel through a program of continuous quality improvement.

Seacoast is committed to keeping our customers informed of the ever changing technologies of tomorrow. Our pledge is to supply the highest quality product at competitive prices, and most importantly, Seacoast promises to put our customers' needs first.



Seacoast is a GCG company. GCG is a major value-add source for wire, cable and related items. GCG business segments include ElectroWire, Empire and Connect-Air and serve a spectrum of industries from telecom/broadband and factory automation to building automation and naval and commercial ship building. All GCG companies are service oriented, responsive and values focused.

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COMMITTED TO EXCELLENCE:

Superior Personalized Service • Vast Inventories • Exceptional Quality

Seacoast is a specialty distributor of cable and associated electrical and electronic products for the military and shipbuilding industry, the oil and gas industry, and industrial markets.

Seacoast has been servicing the Navy, shipbuilders and defense contractors, as well as offshore oil production, for over 70 years. Seacoast maintains one of the broadest and most complete inventories of military, shipboard, marine, oil & gas and industrial cables in the industry. In addition we stock marine electrical equipment, Navy symbol products and fiber optic network products. With five strategically located facilities, we offer local support and inventory. Our sales branches provide personalized assistance and superior service with immediate product availability and delivery services. Seacoast's seasoned wire and cable specialists have decades of experience in these markets. Seacoast knows your business and is uniquely committed to putting your needs first, providing solid solutions to today's challenges.

Seacoast is a part of GCG, Genuine Cable Group, a leading North American value-add wire and cable supplier to the telecom/broadband, factory automation, building automation, navy and commercial ship building industries. Other GCG companies include ElectroWire, Empire and Connect-Air.

For over 70 years, Seacoast has been proud of its commitment to continuous improvement, quality products, world class customer service and excellence. Seacoast is ISO 9001 certified and a Lean Certified enterprise.

Admiral George Anderson, the 16th Chief of Naval Operations from August 1961 through August 1963 stated, "The Navy has both a tradition and a future, and we look with pride and confidence in both directions." Seacoast too has both a long tradition and an exciting future. We join in looking with pride and confidence in both directions.

Seacoast - Your One Source for Military Cables!

GREEN POLICY:

A Commitment to the Future...

Seacoast pledges to continue reducing waste, conserve resources and enhance our already strong recycling program. Future generations depend on it.

Seacoast pledges to manage all resources wisely. Future generations depend on it.

Seacoast pledges to make environmental protection and enhancement part of our corporate mission. Future generations depend on it.

Seacoast pledges to continue our efforts to design wires and cables that reduce and eliminate hazardous substances without compromising the suitability and performance of the product. Future generations depend on it.

Seacoast pledges to proactively move forward to engineer and manufacture cables with low smoke and zero-halogen properties which saves lives and makes for a better tomorrow. Future generations depend on it.

Seacoast pledges to remember that environmental stewardship is no longer a feel good option, but a mandatory obligation.

Future generations depend on it!



**A Lean
Certified
Enterprise**



Navy Motto

★ ★ ★ ★
“NOT SELF BUT COUNTRY”
(Often cited as the Navy’s Motto)

————— ★ —————
Seacoast promises to put our customer’s needs
first each and every time, with personalized
assistance and superior service.

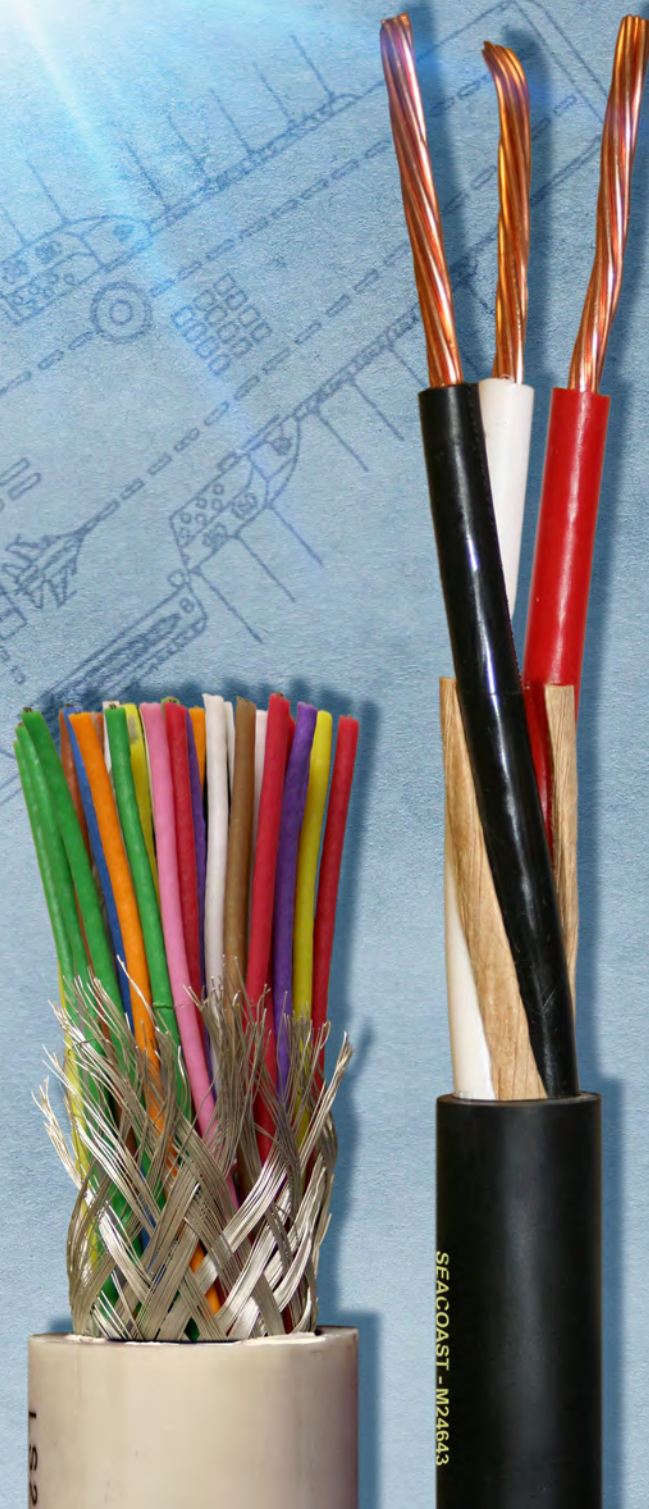


MIL-DTL - 24643



MIL-DTL- 24643

The U.S. Navy designed and introduced the M24643 specification to provide cables that would reduce concerns about flammability, smoke and toxicity. This design provides low smoke, flame retardant, zero halogen cables that are approximately equivalent in size, weight and electricals to many of the obsolete Mil-C-915 constructions. This family of low smoke, low toxicity cables conforms to rigid toxic and smoke indexes. These products are mandated for use on all Navy vessels.



ITEM	PG#	SHORT DESCRIPTION
LSC264	p.57	Four coaxial cables, overall shield, Watertight, cross-linked Polyolefin jacket.
LSC5	p.51	Four pair, solid copper, unshielded, Category 5e, Non-Watertight, cross-linked Polyolefin jacket.
LSC5FS	p.51	Four pair, solid copper, Category 5e, Polyolefin insulation, metallic foil shield, cross-linked Polyolefin jacket.
LSC5FSW	p.51	Same as LSC5FS, except Watertight.
LSC50S	p.51	Same as LSC5FS, except tin-coated copper braid shield.
LSC50SW	p.51	Same as LSC5FS, except tin-coated copper braid shield, Watertight.
LSC5P	p.52	Four pair, stranded copper conductor, Non-Watertight, cross-linked Polyolefin jacket.
LSC5POS	p.52	Same as LSC5P, except metallic foil shield, tin-coated copper braid shield. optional binder, 24AWG.
LSC5POSR	p.52	Same as LSC5P, except metallic foil shield, tin-coated copper braid shield, optional binder, 26AWG.
LSC5W	p.51	Same as LSC5, except Watertight.
LSC6FS	p.59	Four pairs, overall shield, Category 6, Non-Watertight and Watertight
LSC60S	p.59	Four pairs, overall shield, Category 6, Non-Watertight and Watertight
LSC60SW	p.59	Four pairs, overall shield, Category 6, Non-Watertight and Watertight
LSDCOP	p.15	Two Conductor, Oil-resistant, Portable cord, Ethylene Propylene rubber or cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LSDHOF	p.15-16	Two Conductor, Heat and Oil-resistant, Flexible, Ethylene Propylene rubber insulation, cross-linked Polyolefin jacket.
LSDNW	p.45	Two Conductor, Non-Watertight, cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LSDPS	p.30-31	Two Conductor, Power Supply, Watertight, Extruded Silicone rubber insulation, glass braid, Silicone rubber jacket, aluminum armor.
LSDPSN	p.30-31	Same as LSDPS, except Non-Watertight.
LSDRW	p.48	Two Conductor, Radio, Watertight, cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LSDSGU	p.22	Two Conductor, Silicone and glass insulation, cross-linked Polyolefin jacket.
LSECM	p.39	Eight pairs shielded and eight groups of seven conductor per group, Watertight, cross-linked Polyethylene insulation for the conductor of pairs, braided shield over each pair, Ethylene Propylene rubber or cross-linked Polyolefin jacket.
LSFCF	p.58	Multiconductor, Non-Watertight, Flexible, cross-linked Polyolefin jacket.
LSFHOF	p.15-16	Four Conductor, Heat and Oil-resistant, Flexible, Ethylene Propylene rubber insulation, cross-linked Polyolefin jacket.
LSFNW	p.47	Four Conductor, Non-Watertight, cross-linked Polyethylene insulation, cross-linked Polyolefin jacket overall.
LSFPS	p.30-31	Four Conductor, Power Supply, Watertight, Extruded Silicone rubber insulation, glass braid, Silicone rubber jacket, aluminum armor.
LSFPSN	p.30-31	Same as LSFPS, except Non-Watertight.
LSFSGU	p.24	Four Conductor, Silicone rubber and glass insulation, cross-linked Polyolefin jacket.
LSLCFS	p.59	Multipair Serial Transmission Cable, Non-Watertight, cross-linked Polyolefin jacket.
LSMCOS	p.17	Multiconductor, Oil-resistant, Shielded, Ethylene Propylene rubber or cross-linked Polyethylene insulation, braided shield over all pairs, cross-linked Polyolefin jacket.
LSMDU	p.17	Multiconductor, Degaussing, Unarmored, Ethylene Propylene rubber or cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.

ITEM	PG#	SHORT DESCRIPTION
LSMHOF	p.18	Multiconductor, Heat and Oil-resistant, Flexible, Ethylene Propylene rubber or cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LSMMOP	p.18	Multiconductor, Heat and Oil-resistant, Portable cord, Ethylene Propylene rubber or cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LSMNV	p.47	Multiconductor, Control, Non-Watertight, cross-linked polyethylene insulation, cross-linked Polyolefin jacket.
LSMRI	p.19	Multiconductor, Ethylene Propylene rubber or cross-linked Polyethylene insulation, cabled without fillers, no overall jacket.
LSMS	p.36	Multiconductor, Shielded, Ethylene Propylene rubber or cross-linked Polyethylene insulation, cross-linked Polyolefin jacket overall.
LSMSCS	p.25	Same as LSMSCU, except double overall shielded.
LSMSCU	p.25	Multiconductor, Silicone rubber insulation, Unarmored, glass braid, cross-linked Polyolefin jacket.
LSMU	p.33	Multiconductor, Ethylene Propylene rubber or cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LSMUS	p.33	Same as LSMU, except double overall shielded.
LSPB2SD	p.52	One pair, overall shield, Polyolefin insulation, cross-linked Polyolefin jacket.
LSPB2SDOS	p.52	Same as LSB2SD, except second tin-coated copper braided optimized shield and optional binder.
LSPB2SDOSW	p.52	Same as LSB2SD and LSB2SDOS, except Watertight.
LSPB2SDW	p.52	Same as LSB2SD, except Watertight.
LSPBTMU	p.19	Pyrometer Base Multiple Pairs: One copper and one constantan conductor per pair, Ethylene Propylene rubber or cross-linked Polyethylene or cross-linked Polyolefin jacket.
LSPI	p.30	Position Indicator: Silicone rubber insulation, shielded pairs, Silicone rubber jacket, aluminum armor.
LSSCF	p.58	Single tin-coated conductor, Non-Watertight, Flexible extruded Silicone insulation, cross-linked Polyolefin jacket.
LSSHOF	p.15-16	Single Conductor, Heat and Oil-resistant, Flexible, Ethylene Propylene rubber insulation, cross-linked Polyolefin jacket.
LSSRW	p.48	Single Conductor, Radio, Watertight, cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LSSSF	p.20	Single Conductor, Special Purpose, Flexible, cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LSSSGU	p.21	Single Conductor, Silicone and glass insulation, cross-linked Polyolefin jacket.
LSTCF	p.59	Three Conductor, optional fillers and binders, Non-Watertight, cross-linked Polyolefin jacket.
LSTCJU	p.27	Thermocouple, Type J, single pair, one iron and one constantan conductor, Silicone rubber insulation, glass braid, cross-linked Polyolefin jacket.
LSTCJX	p.29	Thermocouple, Multiple pairs, Watertight, Silicone rubber insulation, glass braid, one iron and one constantan conductor per pair, Silicone rubber jacket, armor.
LSTCJXN	p.29	Same as LSTCJX, except Non-Watertight.
LSTCKX	p.29	Same as LSTCJX, except one chromel and one alumel conductor per pair.
LSTCKXN	p.29	Same as LSTCKX, except Non-Watertight.
LSTCOP	p.15	Three Conductor, Oil-resistant, Portable cord, Ethylene Propylene rubber or cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LSTCTU	p.27	Thermocouple, Type T, single pair, one copper and one constantan conductor, Silicone rubber insulation, glass braid, cross-linked Polyolefin jacket.
LSTCTX	p.29	Same as LSTCJX, except one copper and one constantan conductor per pair.
LSTCTXN	p.29	Same as LSTCTX, except Non-Watertight.

ITEM	PG#	SHORT DESCRIPTION
LSTHOF	p.15-16	Three Conductor, Heat and Oil-resistant, Flexible, Ethylene Propylene rubber insulation, cross-linked Polyolefin jacket.
LSTNW	p.46	Three Conductor, Non-Watertight, cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LSTPNW	p.48	Twisted Pairs, Non-Watertight, Ethylene Propylene rubber or cross-linked polyethylene insulation, cross-linked Polyolefin jacket.
LSTPS	p.30-31	Three Conductor, Power Supply, Watertight, Extruded Silicone rubber insulation, glass braid, Silicone rubber jacket, aluminum armor.
LSTPSJ	p.54	Multipair, Non-Watertight, cross-linked Polyolefin jacket.
LSTPSN	p.30-31	Same as LSTPS, except Non-Watertight.
LSTRW	p.48	Three Conductor, Radio, Watertight, cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LSTSGU	p.23	Three Conductor, Silicone and glass insulation, cross-linked Polyolefin jacket.
LSTTOP	p.20	Twisted Pair, Telephone, Oil-resistant, Portable cord, Ethylene Propylene rubber or cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LSTTRS	p.21	Twisted Pair, Telephone, Radio, Shielded, Non-Flexible, cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LSTTSU	p.28	Twisted Pair, Telephone, Silicone rubber insulation, glass braid, cross-linked Polyolefin jacket.
LSYSGU	p.53	Seven conductor, Watertight, extruded Silicone rubber or Silicone rubber-glass tape insulation, cross-linked Polyolefin jacket.
LS1SAU	p.41	Singles, Shielded, Non-Watertight, cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LS1SMU	p.40	Singles, Shielded, Multiconductor, cross-linked Polyethylene insulation cross-linked Polyolefin jacket.
LS1SMWU	p.44	Singles, Shielded, Multiconductor, Watertight, cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LS1SU	p.41	Singles, Shielded, cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LS1SWU	p.33	Singles, Shielded, Watertight, cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LS1S50MU	p.32	Singles, Shielded, 50 Ohm, Multiconductor, cross-linked Polyethylene insulation, braided shield over each conductor, cross-linked Polyolefin jacket.
LS1S50MUS	p.32	Same as LS1S50MU, except double overall shield.
LS1S75MU	p.40	Singles, Shielded, Multiconductor, cross-linked Polyethylene insulation, braided shield, over each conductor, cross-linked Polyolefin jacket.
LS2AU	p.32	Twisted Pairs, overall shield, cross-linked Polyethylene insulation, cross-linked Polyolefin jacket.
LS2AUS	p.32	Same as LS2AU, except double overall shield.
LS2CS	p.50	Twisted Pair, Non-Watertight, cross-linked Polyethylene insulation, double braided shield overall, cross-linked Polyolefin jacket.
LS2OW	p.55	Two Conductor, overall shield, Watertight, cross-linked Polyolefin jacket.
LS2SJ	p.42	Two Conductor, Shielded, Jacketed, Ethylene Propylene rubber or cross-linked Polyethylene insulation, overall braided shield, cross-linked Polyolefin jacket.
LS2SU	p.34	Pairs, Shielded, cross-linked Polyethylene insulation, braided shield over each pair, cross-linked Polyolefin jacket overall.
LS2SUS	p.34	Same as LS2SU, except double overall shield.

ITEM	PG#	SHORT DESCRIPTION
LS2SWAU	p.35	Pairs, Shielded, Watertight, cross-linked Polyethylene insulation, braided shield over each pair, cross-linked Polyolefin jacket overall.
LS2SWL	p.49	Twisted Shielded Pairs, cross-linked Polyethylene insulation, braided shield over each pair, cross-linked Polyolefin jacket.
LS2SWU	p.36	Pairs, Shielded, Watertight, Unarmored, cross-linked Polyethylene insulation, braided shield over each pair, cross-linked Polyolefin jacket.
LS2U	p.43	Twisted Pairs, overall shield, cross-linked Polyethylene insulation braided shield, cross-linked Polyolefin jacket.
LS2UW	p.50	Twisted Pairs, Watertight, overall shield, Unarmored, cross-linked Polyethylene insulation braided shield overall, cross-linked Polyolefin jacket.
LS2UWS	p.50	Same as LS2UW, except double overall shield.
LS2WAU	p.44	Twisted Pairs, Watertight, overall shield, Unarmored, cross-linked Polyethylene insulation, braided shield overall, cross-linked Polyolefin jacket.
LS3C179DT	p.55	Three shielded coaxial cables, thermoset insulation, Non-Watertight, cross-linked Polyolefin jacket.
LS30W	p.56	Three conductor, overall shield, Watertight, cross-linked Polyolefin jacket.
LS3SF	p.43	Triads, Shielded, Flexible, cross-linked Polyethylene insulation, braided shield over each Triad, cross-linked Polyolefin jacket double layer, reinforced.
LS3SJ	p.42	Three Conductor, Shielded, Jacketed, Ethylene Propylene rubber or cross-linked Polyethylene insulation, overall braided shield, cross-linked Polyolefin jacket.
LS3SU	p.37	Triads, Shielded, Unarmored, cross-linked Polyethylene insulation, braided shield over each triad, cross-linked Polyolefin jacket overall.
LS3SUS	p.37	Same as LS3SU, except double overall shield.
LS3SWU	p.38	Triads, Shielded, Watertight, and Unarmored, cross-linked Polyethylene insulation, braided shield over each triad, cross-linked Polyolefin jacket.
LS3SWUS	p.38	Same as LS3SWU, except double overall shield.
LS3U	p.39	Triads, Unshielded, Unarmored, cross-linked Polyethylene insulation, marker braid on each Triad, cross-linked Polyolefin jacket.
LS4NW	p.49	Four Conductor, cross-linked Polyethylene or Ethylene Propylene rubber insulation, cross-linked Polyolefin jacket.
LS40W	p.57	Four Conductor, overall shield, Watertight, cross-linked Polyolefin jacket.
LS4SJ	p.42	Four Conductor, Shielded, Jacketed, Ethylene Propylene rubber or cross-linked Polyethylene insulation, overall braided shield, cross-linked Polyolefin jacket.
LS5KVTSQU	p.27	Three Conductor, 5000 Volt, Silicone and glass tape insulation, cross-linked Polyolefin jacket.
LS6C179DT	p.55	Six shielded coaxial cables, thermoset insulation, Non-Watertight, cross-linked Polyolefin jacket.
LS6SGU	p.26	Six Conductor, Silicone and glass insulation, cross-linked Polyolefin jacket.
LS7PS	p.30-31	Seven Conductor, Power Supply, Watertight, Extruded Silicone rubber insulation, glass braid, Silicone rubber jacket, aluminum armor.
LS7PSN	p.30-31	Same as LS7PS, except Non-Watertight.
LS7SGU	p.26	Seven Conductor, Silicone rubber and glass insulation, cross-linked Polyolefin jacket.
LS8NW	p.49	Eight Conductor, cross-linked Polyethylene insulation, Polyolefin jacket.



Types LSDCOP, LSTCOP MIL-DTL-24643/2

2 & 3 Conductor • 300 Volts • Non-Watertight • Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, optional separator, thermoset insulation. Standard Identification Code by Method 3. Two or three conductors cabled with fillers. Tie cord laid straight as central core in LSDCOP-1½. Cross-linked Polyolefin jacket.

Military Part No. 24643/2	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (Inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	LSDCOP-1	20	2	1.112	.235	.250	.031	2.0	-	-	-	-	202-9527
-02UN	LSDCOP-1½	18	2	1.770	.300	.315	.050	2.5	-	-	-	-	202-2776
-03UN	LSDCOP-2	18	2	1.770	.310	.330	.052	3.0	-	-	-	-	202-2777
-04UN	LSTCOP-2	18	3	1.770	.325	.345	.067	3.0	6	5	-	-	203-5383

Types LSSHOF, LSDHOF, LSTHOF, LSFHOF (Table 1 of 2) MIL-DTL-24643/3

1 Through 4 Conductor • 600 Volts • Non-Watertight • Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, optional separator, thermoset insulation. Standard Identification Code by Method 1 or 3. Reinforcement on LSSHOF sizes 23 and larger. The required number of conductors cabled with fillers and optional binder tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/3	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	LSSHOF-3	16	1	2.600	.195	.210	.027	1.5	20	18	20	18	201-9530
-02UN	LSSHOF-23	7	1	20.820	.440	.460	.143	3.5	88	80	88	80	201-9531
-03UN	LSSHOF-60	2	1	61.260	.570	.600	.341	5.0	162	153	162	153	201-9532
-04UN	LSSHOF-150	000	1	153.100	.830	.870	.769	7.0	285	263	285	263	210-4000
-05UN	LSSHOF-200	200	1	199.100	.940	.980	966	8.0	323	306	-	-	201-9533
-06UN	LSSHOF-250	250	1	252.700	1.035	1.085	1.318	8.5	397	362	-	-	202-2051
-07UN	LSSHOF-500	500	1	500.000	1.380	1.450	2.585	11.5	602	578	-	-	202-2052
-08UN	LSSHOF-650	650	1	650.000	1.540	1.610	3.090	13.0	698	658	-	-	202-2053
-09UN	LSSHOF-800	800	1	812.700	1.600	1.670	3.306	13.5	803	732	-	-	201-9534
-10UN	LSDHOF-3	16	2	2.600	.405	.425	.100	3.0	23	21	23	21	201-9494
-11UN	LSDHOF-4	14	2	4.100	.440	.460	.117	3.5	30	28	30	28	202-7745
-12UN	LSDHOF-6	12	2	6.500	.490	.510	.150	4.0	41	37	41	37	202-2036





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Types LSSHOF, LSDHOF, LSTHOF, LSFHOF (Table 2 of 2) MIL-DTL-24643/3

1 Through 4 Conductor • 600 Volts • Non-Watertight • Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, optional separator, thermoset insulation. Standard Identification Code by Method 1 or 3. Reinforcement on LSSHOF sizes 23 and larger. The required number of conductors cabled with fillers and optional binder tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/3	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-13UN	LSDHOF-9	9	2	9.045	.540	.570	.172	4.5	50	45	50	45	202-2037
-14UN	LSDHOF-14	14	2	14.070	.675	.705	.293	5.0	60	54	60	54	203-0365
-15UN	LSDHOF-23	7	2	22.910	.820	.860	.395	6.5	80	72	80	72	202-2038
-16UN	LSDHOF-30	5	2	33.090	.920	.960	.690	7.5	90	83	90	83	202-2039
-17UN	LSDHOF-83	83	2	84.230	1.390	1.450	1.359	11.0	169	152	169	152	202-0661
-18UN	LSDHOF-250	250	2	252.700	2.000	2.100	2.811	17.0	322	287	285	254	202-0662
-19UN	LSDHOF-400	400	2	413.500	2.400	2.500	4.532	20.0	422	382	290	262	202-0663
-20UN	LSTHOF-3	16	3	2.600	.430	.450	.094	3.5	19	17	19	17	202-0664
-21UN	LSTHOF-4	14	3	4.100	.460	.480	.136	4.0	25	23	25	23	205-3626
-22UN	LSTHOF-6	12	3	6.500	.520	.550	.179	4.5	33	31	33	31	202-0665
-23UN	LSTHOF-9	9	3	9.045	.570	.600	.201	5.0	38	34	38	34	202-0666
-24UN	LSTHOF-14	14	3	14.070	.720	.750	.346	6.0	50	46	50	46	202-0667
-25UN	LSTHOF-23	7	3	22.910	.860	.900	.506	7.0	70	64	70	64	202-0668
-26UN	LSTHOF-42	42	3	42.110	1.200	1.250	.986	10.0	93	86	93	86	202-0669
-27UN	LSTHOF-150	150	3	153.00	1.740	1.820	2.470	13.5	197	180	197	180	203-5384
-28UN	LSTHOF-250	250	3	252.700	2.140	2.240	3.872	18.0	287	264	-	-	202-0670
-29UN	LSTHOF-400	400	3	413.500	2.680	2.800	6.128	22.0	400	365	315	265	202-0671
-30UN	LSTHOF-500	500	3	500.000	2.920	3.100	7.313	25.0	500	450	350	275	202-2040
-31UN	LSTHOF-600	600	3	600.000	2.980	3.150	7.983	25.0	600	550	-	-	203-5385
-32UN	LSFHOF-3	16	4	2.600	.460	.480	.130	4.0	17	16	17	16	201-9495
-33UN	LSFHOF-4	14	4	4.100	.520	.550	.165	4.5	23	21	23	21	202-0672
-34UN	LSFHOF-9	9	4	9.045	.630	.660	.281	5.5	36	34	36	34	202-0673
-35UN	LSFHOF-42	42	4	42.110	1.300	1.380	1.210	11.0	79	73	79	73	202-0674
-36UN	LSFHOF-60	60	4	61.260	1.430	1.510	1.550	12.0	95	80	95	80	202-9491
-37UN	LSFHOF-133	133	4	137.800	1.920	2.000	2.863	16.0	163	148	155	140	202-0675





Types LSMCOS

MIL-DTL-24643/4

Multiconductor • 600 Volts • Shielded • Non-Watertight • Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, thermoset insulation.

- Sizes 2,4,7: Single Conductor, Special Identification Code by Method 3. The required number of conductors cabled with fillers, center of fiber glass in size 7, binder, braided coated or uncoated copper shield, separator, cross-linked Polyolefin jacket.
- Size 5: One shielded pair (black/white) and three singles (red, green, blue) color coded by Method 3. Cabled with fillers, binder, cross-linked Polyolefin jacket.
- Size 6: Two shielded pairs (black/white/blue/red) and two singles (yellow, green) color coded by Method 3. Cabled with fillers, binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/4	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)*				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UO	LSMCOS-2	18	2	1.770	.440	.460	.130	-	5/5	4/4	5/5	4/4	203-5386
-02UO	LSMCOS-4	18	4	1.770	.490	.510	.167	-	5/3	4/2	5/3	4/2	202-2778
-03UN	LSMCOS-5	20	5	1.112	.375	.390	.091	-	2.5/1	2/1	2.5/1	2/1	203-5400
-04UN	LSMCOS-6	20	6	1.112	.460	.480	.102	-	2.5/1	2/1	2.5/1	2/1	202-2828
-05UO	LSMCOS-7	18	7	1.770	.575	.595	.237	-	5/2.5	4/2.5	5/2.5	4/2.5	202-2779

* Individual/Average indicates the maximum current for each conductor (Ind), and the maximum current (Avg) for each conductor when all conductors in the cable are used.

Types LSMDU

MIL-DTL-24643/5

19 Conductor • 600 Volts • Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper, optional separator, thermoset insulation. Standard Identification Code by Method 1 or 3. Nineteen conductors cabled consecutively, fillers and binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/5	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
-01UN	LSMDU-6	12	19	6.530	1.000	1.143	8.0	202-2780
-02UN	LSMDU-14	9	19	13.090	1.395	1.783	9.5	202-2781
-03UN	LSMDU-23	7	19	20.820	1.765	2.566	10.5	202-2782
-04UN	LSMDU-40	4	19	41.740	2.040	4.191	12.5	203-0366
-05UN	LSMDU-60	2	19	66.360	2.330	5.843	14.0	202-2783





SEACOAST

Types LSMHOF MIL-DTL-24643/7

7 Through 61 Conductor • 600 Volts • Non-Watertight • Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, thermoset insulation. Standard Identification Code by Method 1 or 3. The required number of conductors cabled consecutively with optional fillers and binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/7	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)*				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	LSMHOF-7	16	7	2.828	.465	.500	.164	4.0	11/7	9/6	11/7	9/6	202-2788
-02UN	LSMHOF-10	16	10	2.828	.540	.585	.224	4.5	11/7	9/6	11/7	9/6	203-5388
-03UN	LSMHOF-14	16	14	2.828	.585	.635	.290	5.0	11/7	9/6	11/7	9/6	202-2789
-04UN	LSMHOF-19	16	19	2.828	.650	.705	.360	5.5	11/7	9/6	11/7	9/6	202-2790
-05UN	LSMHOF-24	16	24	2.828	.735	.795	.457	6.5	11/7	9/6	11/7	9/6	202-2791
-06UN	LSMHOF-30	16	30	2.828	.775	.835	.541	6.5	11/7	9/6	11/7	9/6	202-2792
-07UN	LSMHOF-37	16	37	2.828	.855	.925	.674	7.5	11/5	9/4	11/5	9/4	202-2793
-08UN	LSMHOF-44	16	44	2.828	.925	1.000	.771	8.0	11/4	9/3	11/4	9/3	203-5389
-09UN	LSMHOF-61	16	61	2.828	1.100	1.175	1.125	9.5	11/3	9/2	11/3	9/2	202-2794

* Individual/Average indicates the maximum current for each conductor (Ind), and the maximum current (Avg) for each conductor when all conductors in the cable are used.

Type LSMMOP MIL-DTL-24643/8

5 Conductor • 300 Volts • Non-Watertight • Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, thermoset insulation. Standard Identification Code by Method 1 or 3. Five conductors cabled consecutively around central tie cord. Optional fillers and binder of Polyester tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/8	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)*				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
-01UN	LSMMOP-5	24	5	0.448	.305	.059	-	3/1	2/1	-	-	202-2829

* Individual/Average indicates the maximum current for each conductor (Ind), and the maximum current (Avg) for each conductor when all conductors in the cable are used.





Types LSMRI

MIL-DTL-24643/9

Twisted Pair & Twisted Triad • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, thermoset insulation. Standard Identification Code by Method 3. The two or three conductors cabled (no overall jacket).

Military Part No. 24643/9	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	LSMRI-D-1	20	2	1.112	.068	.075	.010	-	3	3	-	-	202-7764
-02UN	LSMRI-D-2½	16	2	2.828	.092	.102	.022	-	8	6	-	-	205-3627
-03UN	LSMRI-T-2½	16	3	2.828	.092	.102	.033	-	7	6	-	-	208-5455

Types LSPBTMU

MIL-DTL-24643/10

5, 15 & 30 Pairs • 600 Volts • Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded uncoated copper and constantan conductor, thermoset insulation. Telephone Identification Code by Method 3. One copper and one constantan conductor twisted to form a pair. The specified number of pairs cabled consecutively with optional fillers and binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/10	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LSPBTMU-5	22	5	.700	.499	.540	.131	3.5	202-7765
-02UN	LSPBTMU-15	22	15	.700	.694	.750	.283	5.0	203-6580
-03UN	LSPBTMU-30	22	30	.700	.907	.980	.484	6.5	202-2830





SEACOAST

Type LSSSF MIL-DTL-24643/11

Single Conductor • 600 Volts • Non-Watertight • Flexing Service • Temp -20 °C to +90 °C

Stranded uncoated hard-drawn copper conductor, optional separator, thermoset insulation, optional reinforcement. Cross-linked Polyolefin jacket bonded to underlying insulation.

Military Part No. 24643/11	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40 °C	50 °C	40 °C	50 °C	
-01UN	LSSSF-7	300	1	300	1.020	1.100	1.287	6.6	-	-	-	-	204-5529

Types LSTTOP MIL-DTL-24643/12

3 Through 15 Pairs • 300 Volts • Non-Watertight • Flexing Service • Temp -20 °C to +90 °C

Stranded coated or uncoated copper conductor, thermoset insulation. Telephone Identification Code by Method 3. Two conductors cabled to form pair. The required number of pairs cabled consecutively, optional fillers and binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/12	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductors (MCM)	Cable Overall Diameter Max (Inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)*				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40 °C	50 °C	40 °C	50 °C	
-01UN	LSTTOP-3	20	3	1.112	.480	.113	4.0	5/4	4/3	5/4	4/3	201-9538
-02UN	LSTTOP-5	20	5	1.112	.590	.154	5.0	5/3	4/2	5/3	4/2	202-6998
-03UN	LSTTOP-10	20	10	1.112	.700	.259	5.5	5/2	4/1	5/2	4/1	201-9539
-04UN	LSTTOP-15	20	15	1.112	.830	.383	6.5	5/1	4/0.5	5/1	4/0.5	202-3536

* Individual/Average indicates the maximum current for each conductor (Ind), and the maximum current (Avg) for each conductor when all conductors in the cable are used.





Types LSTTRS

MIL-DTL-24643/13

2 Through 16 Shielded Pairs • 300 Volts • Non-Watertight • Non-Flexing Service • Temp -20 °C to +90 °C

Stranded coated or uncoated copper conductor, thermoset insulation, one black and one white or natural conductor cabled to form pair, braided uncoated or tin-coated copper shield, shield insulation of two Polyester tapes or one tape and extruded jacket. Standard Identification Code by Method 2. The required number of shielded pairs cabled consecutively, optional fillers and binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/13	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LSTTRS-2	20	2	1.112	.629	.680	.233	1.0	202-2831
-02UN	LSTTRS-4	20	4	1.112	.685	.740	.281	1.1	203-5401
-03UN	LSTTRS-6	20	6	1.112	.814	.880	.388	1.5	202-2832
-04UN	LSTTRS-8	20	8	1.112	.916	.990	.474	1.7	202-2833
-05UN	LSTTRS-10	20	10	1.112	.999	1.080	.561	2.0	202-2834
-06UN	LSTTRS-12	20	12	1.112	1.017	1.100	.611	2.0	202-2835
-07UN	LSTTRS-16	20	16	1.112	1.100	1.190	.723	2.2	203-5402

Types LSSSGU

MIL-DTL-24643/14

Single Conductor • 1000 Volts • Watertight • Non-Flexing Service • Temp -20 °C to +105 °C

Stranded coated or uncoated copper conductor, thermoset insulation, extruded or taped (white), optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/14	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40 °C	50 °C	40 °C	50 °C	
-01UN	LSSSGU-50	3	1	52.620	.520	.281	3.5	149	137	149	137	203-5396
-02UN	LSSSGU-75	1	1	83.690	.602	.414	4.0	197	181	197	181	203-0379
-03UN	LSSSGU-100	0	1	105.600	.669	.510	4.5	232	214	232	214	205-3647
-04UN	LSSSGU-200	0000	1	211.600	.872	.967	5.5	361	332	-	-	202-8471
-05UN	LSSSGU-300	300	1	300.000	1.001	1.309	6.5	467	430	-	-	203-6576
-06UN	LSSSGU-400	400	1	413.600	1.118	1.763	7.0	575	530	-	-	206-2230
-07UN	LSSSGU-650	650	1	650.000	1.371	2.716	8.5	785	722	-	-	203-6577
-08UN	LSSSGU-800	800	1	800.000	1.485	3.338	9.5	940	865	-	-	204-2246
-09UN	LSSSGU-1000	1000	1	1000.000	1.620	4.123	10.0	1090	950	-	-	203-6578
-10UN	LSSSGU-1600	1600	1	1600.000	2.010	6.368	12.5	1450	1270	-	-	205-3648
-11UN	LSSSGU-2000	2000	1	2000.000	2.210	7.622	13.5	1630	1450	-	-	204-4869





SEACOAST

Types LSDSGU

MIL-DTL-24643/15

2 Conductor • 1000 Volts • Watertight • Non-Flexing Service • Temp -20°C to +105°C

Stranded coated or uncoated copper conductor, thermoset insulation, extruded or taped, optional glass braid, optional covering. Standard Identification Code by Method 1, 3 or Letter Identification Code applied by Method 5. Two conductors cabled with fillers as necessary to form a firm well-rounded assembly, optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/15	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
-01UN	LSDSGU-3	16	2	2.828	.391	.086	3.0	13	12	13	12	202-8463
-02UN	LSDSGU-4	14	2	4.481	.427	.106	3.0	22	20	22	20	202-2795
-03UN	LSDSGU-9	10	2	10.380	.544	.194	4.0	44	41	44	41	202-2796
-04UN	LSDSGU-14	9	2	13.090	.670	.259	4.0	60	55	60	55	202-2797
-05UN	LSDSGU-23	7	2	20.820	.781	.363	5.0	78	72	78	72	202-2798
-06UN	LSDSGU-50	3	2	52.620	.911	.681	6.0	126	116	126	116	202-3476
-07UN	LSDSGU-75	1	2	83.690	1.074	1.018	7.0	168	155	168	155	202-3477
-08UN	LSDSGU-100	0	2	105.600	1.167	1.217	7.5	199	183	199	183	203-5390
-09UN	LSDSGU-200	0000	2	211.600	1.583	2.360	10.0	308	284	288	266	203-3628
-10UN	LSDSGU-300	300	2	300.000	1.841	3.213	11.5	413	380	347	319	203-5391
-11UN	LSDSGU-400	400	2	413.600	2.069	4.282	13.0	492	453	337	310	202-8464





Types LSTSGU

MIL-DTL-24643/16

3 Conductor • 1000 Volts • Watertight • Non-Flexing Service • Temp -20°C to +105°C

Stranded coated or uncoated copper conductor, thermoset insulation, extruded or taped, optional glass braid, optional covering. Standard Identification Code by Method 1, 3 or Letter Identification Code applied by Method 5. Three conductors cabled with fillers as necessary to form a firm well-rounded assembly, optional binder. Cross-linked polyolefin jacket.

Military Part No. 24643/16	Cable Type Designation	Conductor Size:		Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
		Navy Std	AWG						DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	LSTSGU-3	-	16	3	2.828	.411	.099	3.0	11	10	11	10	201-9497
-02UN	LSTSGU-4	-	14	3	4.481	.449	.125	3.0	18	17	18	17	201-9498
-03UN	LSTSGU-9	-	10	3	10.380	.575	.241	4.0	39	36	39	36	201-9499
-04UN	LSTSGU-14	-	9	3	13.090	.718	.313	4.5	51	47	51	47	202-3478
-05UN	LSTSGU-23	-	7	3	20.820	.812	.443	5.0	69	64	69	64	201-9500
-055UN	LSTSGU-30	30 (19)	-	3	30.090	.852	-	-	-	-	-	-	581-0483
-058UN	LSTSGU-40	-	4	3	41.740	.900	-	-	-	-	-	-	-
-06UN	LSTSGU-50	-	3	3	52.620	.969	.886	6.5	110	101	110	101	201-9053
-065UN	LSTSGU-60	-	2	3	61.260	1.060	-	-	-	-	-	-	-
-07UN	LSTSGU-75	-	1	3	83.690	1.134	1.313	7.5	148	136	148	136	201-9501
-08UN	LSTSGU-100	-	0	3	105.600	1.266	1.618	8.0	174	160	174	160	201-9502
-085UN	LSTSGU-125	125	00	3	133.100	1.408	-	-	-	-	-	-	581-0527
-09UN	LSTSGU-150	-	000	3	167.800	1.515	2.465	9.5	235	216	224	206	202-9505
-10UN	LSTSGU-200	-	0000	3	211.600	1.669	3.086	10.5	271	250	254	234	202-0676
-105UN	LSTSGU-250	250	250	3	250.000	1.794	-	-	-	-	-	-	581-0604
-11UN	LSTSGU-300	-	300	3	300.000	1.957	4.237	12.0	348	320	292	269	202-0677
-115UN	LSTSGU-350	-	350	3	350.000	2.073	-	-	-	-	-	-	581-0647
-12UN	LSTSGU-400	400	-	3	413.600	2.203	5.695	13.5	435	400	298	274	202-9506





SEACOAST

Types LSFSGU

MIL-DTL-24643/17

4 Conductor • 1000 Volts • Watertight • Non-Flexing Service • Temp -20°C to +105°C

Stranded coated or uncoated copper conductor, thermoset insulation, extruded or taped, optional glass braid, optional covering. Standard Identification Code by Method 1, 3 or Letter Identification Code applied by Method 5. Four conductors cabled with fillers as necessary to form a firm well-rounded assembly, optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/17	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductor in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
-01UN	LSFSGU-3	16	4	2.828	.447	.126	3.0	11	10	11	10	202-3509
-02UN	LSFSGU-4	14	4	4.481	.513	.172	3.5	18	17	18	17	210-2344
-03UN	LSFSGU-9	10	4	10.380	.630	.296	4.5	39	36	39	36	202-3510
-04UN	LSFSGU-23	7	4	20.820	.890	.460	5.5	69	64	69	64	202-3479
-05UN	LSFSGU-50	3	4	52.620	1.050	1.015	6.5	110	101	110	101	205-3629
-06UN	LSFSGU-75	1	4	83.690	1.240	1.486	8.0	148	136	148	136	202-6955
-07UN	LSFSGU-100	0	4	105.600	1.358	1.820	8.5	174	160	170	157	202-6956
-08UN	LSFSGU-150	000	4	167.800	1.625	3.105	10.0	235	216	224	206	202-6957
-09UN	LSFSGU-200	0000	4	211.600	1.820	3.819	11.0	271	250	254	234	202-3480





Types LSMSCU, LSMSCS

MIL-DTL-24643/18

7 Through 91 Conductor • 1000 Volts • Watertight • Non-Flexing Service • Temp -20 °C to +105 °C

Stranded coated or uncoated copper conductor, thermoset insulation, optional glass braid, optional covering. Standard Identification Code by Method 1. The required number of conductors cabled with fillers as necessary to form a firm well-rounded assembly, optional binder. Cross-linked Polyolefin jacket. Type LSMSCS: Same construction except double shielded with braided tin-coated copper.

Military Part No. 24643/18	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)*				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40 °C	50 °C	40 °C	50 °C	
-01UN	LSMSCU-7	18	7	1.770	.447	.484	.148	3.5	12/8	9/6	12/8	9/6	202-2041
-02UN	LSMSCU-10	18	10	1.770	.575	.622	.227	4.0	12/8	9/6	12/8	9/6	201-9503
-03UN	LSMSCU-14	18	14	1.770	.617	.668	.280	4.5	12/8	9/6	12/8	9/6	201-9504
-04UN	LSMSCU-19	18	19	1.770	.682	.738	.354	5.0	12/8	9/6	12/8	9/6	201-9505
-05UN	LSMSCU-24	18	24	1.770	.790	.855	.467	5.5	12/6	9/5	12/6	9/5	202-6958
-06UN	LSMSCU-30	18	30	1.770	.833	.901	.539	5.5	12/6	9/5	12/6	9/5	202-6959
-07UN	LSMSCU-37	18	37	1.770	.926	1.002	.648	6.0	12/6	9/5	12/6	9/5	202-2042
-08UN	LSMSCU-44	18	44	1.770	1.030	1.114	.793	7.0	12/5	9/4	12/5	9/4	202-2043
-09UN	LSMSCU-61	18	61	1.770	1.156	1.250	.982	8.0	12/4	9/3	12/4	9/3	202-2044
-10UN	LSMSCU-91	18	91	1.770	1.369	1.480	1.510	9.0	12/4	9/3	12/4	9/3	202-2045
-01UD	LSMSCS-7	18	7	1.770	.507	.544	.244	6.5	12/8	9/6	12/8	9/6	201-9509
-02UD	LSMSCS-10	18	10	1.770	.635	.682	.349	8.5	12/8	9/6	12/8	9/6	202-3486
-03UD	LSMSCS-14	18	14	1.770	.677	.728	.403	9.5	12/8	9/6	12/8	9/6	202-6960
-04UD	LSMSCS-19	18	19	1.770	.742	.798	.509	9.5	12/8	9/6	12/8	9/6	202-6961
-05UD	LSMSCS-24	18	24	1.770	.850	.915	.630	11.5	12/6	9/5	12/6	9/5	202-6962
-06UD	LSMSCS-30	18	30	1.770	.893	.961	.727	12.0	12/6	9/5	12/6	9/5	202-6963
-07UD	LSMSCS-37	18	37	1.770	.986	1.065	.810	13.0	12/6	9/5	12/6	9/5	202-6964
-08UD	LSMSCS-44	18	44	1.770	1.090	1.174	.991	14.0	12/5	9/4	12/5	9/4	201-9510
-09UD	LSMSCS-61	18	61	1.770	1.216	1.310	1.227	16.0	12/4	9/3	12/4	9/3	202-6965
-10UD	LSMSCS-91	18	91	1.770	1.429	1.540	1.887	18.5	12/4	9/3	12/4	9/3	202-6966

* Individual/Average indicates the maximum current for each conductor (Ind), and the maximum current (Avg) for each conductor when all conductors in the cable are used.





SEACOAST

Types LS6SGU

MIL-DTL-24643/19

6 Conductor • 1000 Volts • Watertight • Non-Flexing Service • Temp -20°C to +105°C

Stranded coated or uncoated copper conductor, thermoset insulation, extruded or taped, optional glass braid, optional covering. Standard Identification Code by Method 5. Six conductors cabled with fillers as necessary. Cabling sequence shall be A, B, C, A, B, C. An optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/19	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
-01UN	LS6SGU-100	0	6	105.600	1.600	2.820	10.0	136	127	272	250	201-9511
-02UN	LS6SGU-125	00	6	133.100	1.790	3.490	11.5	160	147	299	275	201-9512
-03UN	LS6SGU-150	000	6	167.800	1.960	4.339	12.0	188	173	326	300	203-2370
-04UN	LS6SGU-200	0000	6	211.600	2.200	5.479	13.5	219	202	369	340	203-0369

Types LS7SGU

MIL-DTL-24643/20

7 Conductor • 1000 Volts • Watertight • Non-Flexing Service • Temp -20°C to +105°C

Stranded coated or uncoated copper conductor, thermoset insulation, optional glass braid, optional covering. Standard Identification Code by Method 1. Seven conductors cabled. An optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/20	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)*				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
-01UN	LS7SGU-3	16	7	2.828	.545	.152	4.0	15/11	14/10	15/11	14/10	201-9516
-02UN	LS7SGU-4	14	7	4.481	.595	.198	4.0	26/14	24/13	26/14	24/13	201-9517

* Individual/Average indicates the maximum current for each conductor (Ind), and the maximum current (Avg) for each conductor when all conductors in the cable are used.





Types LSTCJU, LSTCTU

MIL-DTL-24643/21

2 Conductor • Watertight • Non-Flexing Service • Temp -20°C to +105°C

Types LSTCJU: Two uncoated stranded conductors, one iron and one constantan, thermoset insulation, optional glass braid covering, printed "8 (GREY)" on the iron and "3 (RED)" on the constantan, cabled with fillers, binder or combination binder/barrier. Types LSTCTU: Same, except one copper and one constantan conductor instead of iron and constantan, the copper conductor printed "6 (BLUE)" and "3 (RED)" printed on the constantan conductor. Cross-linked Polyolefin jacket.

Military Part No. 24643/21	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LSTCJU-4	14	2	4.481	.400	.430	.117	3.0	201-9520
-02UN	LSTCTU-4	14	2	4.481	.400	.430	.117	3.0	201-9521

Types LS5KVTSGU

MIL-DTL-24643/22

3 Conductor • 5000 Volts • Watertight • Non-Flexing Service • Temp -20°C to +105°C

Stranded coated or uncoated copper conductor, thermoset insulation, extruded or taped, optional covering. Standard Identification Code by Method 1 or Letter Identification Code applied by Method 5. Three conductors cabled with fillers as necessary to form a firm well-rounded assembly. An optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/22	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
-01UN	LS5KVTSGU-100	0	3	105.600	1.740	2.310	11.8	174	160	-	-	201-6510
-02UN	LS5KVTSGU-150	000	3	167.800	1.950	2.964	13.0	235	216	-	-	203-6566
-03UN	LS5KVTSGU-250	250	3	250.000	2.220	4.294	14.5	315	290	-	-	201-6511
-04UN	LS5KVTSGU-350	350	3	350.000	2.450	5.417	15.9	391	360	-	-	201-6512
-05UN	LS5KVTSGU-400	400	3	413.600	2.600	6.190	16.5	435	400	-	-	201-6513





SEACOAST

Types LSTTSU

MIL-DTL-24643/23

1½ Through 60 Pairs • 300 Volts • Watertight • Non-Flexing Service • Temp -20°C to +105°C

Stranded coated or uncoated copper conductor, thermoset insulation, polyamide jacket, colored or transparent. Two conductors, white and black, twisted to form a pair. Pair Identification Code by Method 6. The specified number of pairs cabled with fillers as necessary. For LSTTSU-1½ only, three conductors white-black-red twisted to form triad. An optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/23	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
-01UN	LSTTSU-1½	22	1½	.700	.330	.066	2.5	202-9528
-02UN	LSTTSU-3	22	3	.700	.450	.113	3.0	202-9529
-03UN	LSTTSU-5	22	5	.700	.540	.167	3.5	202-9530
-04UN	LSTTSU-10	22	10	.700	.675	.262	4.0	202-9531
-05UN	LSTTSU-15	22	15	.700	.800	.379	5.0	202-9532
-06UN	LSTTSU-20	22	20	.700	.870	.461	5.5	202-9533
-07UN	LSTTSU-30	22	30	.700	1.080	.697	6.0	202-9534
-08UN	LSTTSU-40	22	40	.700	1.200	.874	7.0	202-9535
-09UN	LSTTSU-50	22	50	.700	1.400	1.148	7.5	202-9536
-10UN	LSTTSU-60	22	60	.700	1.450	1.267	8.0	204-4264





Types LSTCJX, LSTCKX, LSTCTX, LSTCJXN, LSTCKXN, LSTCTXN

MIL-DTL-24643/24

1 Through 12 Pair • Watertight or Non-Watertight • Non-Flexing Service • Temp -20 °C to +150 °C

Stranded uncoated conductor, extruded silicone rubber insulation, glass braid, braid covering. Color Identification Code by Method 4. Two conductors cabled to form pair, one each of iron and constantan in LSTCJX; one each of chromel and alumel in LSTCKX; one each of copper and constantan in LSTCTX. The specified number of pairs cabled with optional fillers, binder tape, silicone rubber jacket, braided aluminum armor. Types LSTCJXN, LSTCKXN and LSTCTXN: same construction, Non-Watertight.

Military Part No. 24643/24	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
-01AN	LSTCJX-3	16	3	2.580	.742	.231	4.0	977-6160
-02AN	LSTCJX-7	16	7	2.580	.983	.515	5.5	157-2037
-03AN	LSTCJX-12	16	12	2.580	1.269	.844	6.5	931-8420
-04AN	LSTCKX-1	16	1	2.580	.456	.108	2.5	598-9397
-05AN	LSTCKX-3	16	3	2.580	.742	.257	4.0	948-4135
-06AN	LSTCKX-7	16	7	2.580	.983	.520	5.5	901-6242
-07AN	LSTCKX-12	16	12	2.580	1.269	.844	6.5	542-6703
-08AN	LSTCTX-1	21	1	.810	.350	.108	2.0	156-8817
-09AN	LSTCTX-3	21	3	.810	.552	.262	3.5	542-6704
-10AN	LSTCTX-7	21	7	.810	.731	.515	4.0	577-3358
-11AN	LSTCTX-12	21	12	.810	.964	.844	5.0	542-6705
-12AN	LSTCJXN-3	16	3	2.580	.742	.231	4.0	-
-13AN	LSTCJXN-7	16	7	2.580	.983	.515	5.5	-
-14AN	LSTCJXN-12	16	12	2.580	1.269	.844	6.5	-
-15AN	LSTCKXN-1	16	1	2.580	.456	.108	2.5	-
-16AN	LSTCKXN-3	16	3	2.580	.742	.257	4.0	-
-17AN	LSTCKXN-7	16	7	2.580	.983	.520	5.5	-
-18AN	LSTCKXN-12	16	12	2.580	1.269	.844	6.5	-
-19AN	LSTCTXN-1	21	1	.810	.350	.108	2.5	-
-20AN	LSTCTXN-3	21	3	.810	.552	.262	4.0	-
-21AN	LSTCTXN-7	21	7	.810	.731	.515	5.5	-
-22AN	LSTCTXN-12	21	12	.810	.964	.844	6.5	-





SEACOAST

Types LSPI

MIL-DTL-24643/25

3, 7 & 12 Pairs • 300 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +150°C

Stranded nickel-coated copper conductor extruded silicone rubber insulation, black or white glass braid, one black and one white conductor cabled to form a pair. Braided uncoated copper shield, shield insulation of Polyethylene terephthalate film, glass braid. Standard Identification Code by Method 4. The specified number of pairs cabled with filler, binder tape. Silicone rubber jacket, braided aluminum armor.

Military Part No. 24643/25	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
-01AN	LSPI-3	18	3	1.770	.685	.285	4.5	161-1520
-02AN	LSPI-7	18	7	1.770	.900	.505	5.5	495-3384
-03AN	LSPI-12	18	12	1.770	1.155	1.372	7.0	163-7375

Types LSDPS, LSTPS, LSFPS, LS7PS, LSDPSN, LSTPSN, LSFPSN, LS7PSN (Table 1 of 2)

MIL-DTL-24643/26

2 Through 7 Conductor • 600 Volts • Watertight or Non-Watertight • Non-Flexing Service • Temp -20°C to +150°C

Stranded nickel-coated copper conductor, extruded silicone rubber insulation, glass braid. Standard Identification Code by Method 4. The specified number of conductors cabled with fillers, binder tape. Silicone rubber jacket, braided aluminum armor. LSDPSN, LSTPSN, LSFPSN and LS7PSN: same construction, except Non- Watertight.

Military Part No. 24643/26	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)*				NSN 6145-
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
-01AN	LSDPS-3	16	2	2.828	.455	.121	3.0	10	-	10	-	01-156-9511
-02AN	LSDPS-4	14	2	4.481	.489	.141	3.0	20	-	20	-	00-977-6159
-03AN	LSDPS-6	12	2	5.686	.585	.194	3.5	28	-	28	-	01-158-2118
-04AN	LSDPS-9	10	2	10.380	.628	.232	4.0	41	-	41	-	00-542-6699
-05AN	LSDPS-14	9	2	13.090	.730	.323	4.5	54	-	54	-	01-154-4372
-06AN	LSTPS-3	16	3	2.828	.475	.129	3.0	10	-	10	-	00-088-9141





Types LSDPS, LSTPS, LSFPS, LS7PS, LSDPSN, LSTPSN, LSFPSN, LS7PSN (Table 2 of 2)

MIL-DTL-24643/26

2 Through 7 Conductor • 600 Volts • Watertight or Non-Watertight • Non-Flexing Service • Temp -20°C to +150°C

Stranded nickel-coated copper conductor, extruded silicone rubber insulation, glass braid. Standard Identification Code by Method 4. The specified number of conductors cabled with fillers, binder tape. Silicone rubber jacket, braided aluminum armor. LSDPSN, LSTPSN, LSFPSN and LS7PSN: same construction, except Non- Watertight.

Military Part No. 24643/26	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)*				NSN 6145-
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
-07AN	LSTPS-4	14	3	4.481	.553	.160	3.5	17	-	17	-	01-159-6656
-08AN	LSTPS-6	12	3	5.686	.620	.229	4.0	23	-	23	-	01-155-6691
-09AN	LSTPS-9	10	3	10.380	.657	.299	4.0	36	-	36	-	00-542-6700
-10AN	LSTPS-14	9	3	13.090	.751	.411	4.5	47	-	47	-	01-155-6692
-11AN	LSTPS-23	7	3	20.820	.866	.579	5.0	64	-	64	-	01-154-0989
-12AN	LSTPS-30	5	3	33.090	.989	.738	6.0	77	-	77	-	01-157-0923
-13AN	LSFPS-14	9	4	13.090	.815	.452	5.0	42	-	-	-	01-156-8790
-14AN	LS7PS-6	12	7	2.828	.775	.361	4.5	35/20	-	-	-	00-811-8376
-15AN	LS7PS-14	9	7	13.090	.986	.323	4.5	42	-	-	-	-
-16AN	LSDPSN-3	16	2	2.828	.455	.121	3.0	10	-	10	-	-
-17AN	LSDPSN-4	14	2	4.481	.489	.141	3.0	20	-	20	-	-
-18AN	LSDPSN-6	12	2	5.686	.585	.194	3.5	28	-	28	-	-
-19AN	LSDPSN-9	10	2	10.380	.628	.232	4.0	41	-	41	-	-
-20AN	LSDPSN-14	9	2	13.090	.730	.323	4.5	54	-	54	-	-
-21AN	LSTPSN-3	16	3	2.828	.475	.129	3.0	10	-	10	-	-
-22AN	LSTPSN-4	14	3	4.481	.553	.160	3.5	17	-	17	-	-
-23AN	LSTPSN-6	12	3	5.686	.620	.229	4.0	23	-	23	-	-
-24AN	LSTPSN-9	10	3	10.380	.657	.299	4.0	36	-	36	-	-
-25AN	LSTPSN-14	9	3	13.090	.751	.411	4.5	47	-	47	-	-
-26AN	LSTPSN-23	7	3	20.820	.866	.579	5.0	64	-	64	-	-
-27AN	LSTPSN-30	5	3	33.090	.989	.738	6.0	77	-	77	-	-
-28AN	LSFPSN-14	9	4	13.090	.815	.323	4.5	42	-	-	-	-
-29AN	LS7PSN-6	12	7	5.686	.775	.361	4.5	35/20	-	-	-	-
-30AN	LS7PSN-14	9	7	13.090	.986	.323	4.5	42	-	-	-	-

* Individual/Average indicates the maximum current for each conductor (Ind), and the maximum current (Avg) for each conductor when all conductors in the cable are used.





SEACOAST

Types LS2AU, LS2AUS

MIL-DTL-24643/27

40 Pairs with Overall Shield • 600 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded tin-coated copper conductor, thermoset insulation. Telephone Identification Code by Method 3. Two conductors cabled to form a pair, forty pairs cabled consecutively, binder tape, braided tin-coated copper shield. Cross-linked Polyolefin jacket. LS2AUS: double overall shield.

Military Part No. 24643/27	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01U0	LS2AU-40	22	40	.700	1.320	1.37	0.721	4	202-8473
-01UD	LS2AUS-40	22	40	.700	1.380	1.43	0.901	17	202-8475

Types LS1S50MU, LS1S50MUS

MIL-DTL-24643/28

16 Through 70 Shielded Singles • 300 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded tin-coated copper conductor, thermoset insulation, white. Standard Identification Code by Method 2. Braided tin-coated copper shield, shield insulation of two sealed Polyester tapes or one tape with extruded jacket. The required number of shielded conductors cabled consecutively, binder tape. Cross-linked Polyolefin jacket. LS1S50MUS: double overall shield.

Military Part No. 24643/28	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS1S50MU-16	22	16	.700	.760	.825	.329	5.5	202-9539
-02UN	LS1S50MU-20	22	20	.700	.835	.905	.381	6.0	208-5465
-03UN	LS1S50MU-40	22	40	.700	1.095	1.185	.710	7.5	203-6582
-04UN	LS1S50MU-70	22	70	.700	1.465	1.555	1.751	10.5	203-3308
-01UD	LS1S50MUS-16	22	16	.700	.820	.885	.444	10.5	202-9540
-02UD	LS1S50MUS-20	22	20	.700	.895	.965	.514	11.5	202-9541
-03UD	LS1S50MUS-40	22	40	.700	1.155	1.245	.887	15.0	202-9542
-04UD	LS1S50MUS-70	22	70	.700	1.525	1.615	2.118	19.5	203-6583





Types LSMU, LSMUS

MIL-DTL-24643/29

14 Conductor • 300 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded tin-coated copper conductors, thermoset insulation. Standard Identification Code by Method 1. Fourteen conductors cabled consecutively, binder tape. Cross-linked Polyolefin jacket. LSMUS: double braided shield.

Military Part No. 24643/29	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LSMU-14	20	14	1.112	.365	.400	.132	3.0	205-9320
-01UD	LSMUS-14	20	14	1.112	.425	.460	.217	5.5	204-0570

Types LS1SWU

MIL-DTL-24643/30

2 Through 30 Shielded Singles • 600 Volts • Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, thermoset insulation, coated or uncoated braided shield. Shield insulation of two sealed Polyester tapes or one tape with extruded jacket. Standard Identification Code by Method 2. The required number of shielded singles cabled consecutively with fillers, binder tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/30	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS1SWU-2	22	2	.700	.430	.455	.103	3.5	203-5406
-02UN	LS1SWU-14	22	14	.700	.825	.870	.463	5.5	203-5407
-03UN	LS1SWU-20	22	20	.700	.970	1.030	.618	6.5	203-5408
-04UN	LS1SWU-30	22	30	.700	1.135	1.200	.885	7.5	203-3660





SEACOAST

Types LS2SU, LS2SUS

MIL-DTL-24643/31

3 Through 61 Shielded Pairs • 600 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, thermoset insulation. One black and one white conductor twisted to form pair. Optional binder, braided tin-coated copper shield, shield insulation of two sealed Polyester tapes or one tape with extruded jacket. Standard Identification Code by Method 2. The required number of shielded pairs cabled consecutively, optional fillers and binder. Cross-linked Polyolefin jacket. LS2SUS: double overall shield.

Military Part No. 24643/31	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS2SU-3	22	3	.700	.480	.520	.170	3.5	203-0382
-02UN	LS2SU-7	22	7	.700	.610	.660	.255	4.5	202-9543
-03UN	LS2SU-10	22	10	.700	.770	.830	.368	5.0	202-9544
-04UN	LS2SU-14	22	14	.700	.860	.930	.558	6.0	204-8939
-05UN	LS2SU-19	22	19	.700	.970	1.040	.732	6.5	203-7618
-06UN	LS2SU-24	22	24	.700	1.120	1.210	.953	7.5	204-2281
-07UN	LS2SU-30	22	30	.700	1.190	1.280	1.176	8.0	203-7619
-08UN	LS2SU-37	22	37	.700	1.290	1.380	1.459	8.5	202-9545
-09UN	LS2SU-44	22	44	.700	1.460	1.550	1.809	9.0	204-4871
-10UN	LS2SU-61	22	61	.700	1.660	1.740	2.209	10.0	203-7620
-01UD	LS2SUS-3	22	3	.700	.540	.580	.261	7.0	203-0387
-02UD	LS2SUS-7	22	7	.700	.670	.720	.367	8.5	204-4265
-03UD	LS2SUS-10	22	10	.700	.830	.890	.496	11.0	203-0388
-04UD	LS2SUS-14	22	14	.700	.920	.990	.753	12.0	202-9547
-05UD	LS2SUS-19	22	19	.700	1.030	1.100	.915	13.5	203-0389
-06UD	LS2SUS-24	22	24	.700	1.180	1.270	1.191	15.5	202-9548
-07UD	LS2SUS-30	22	30	.700	1.250	1.340	1.470	16.0	202-9549
-08UD	LS2SUS-37	22	37	.700	1.350	1.440	1.823	17.5	202-9550
-09UD	LS2SUS-44	22	44	.700	1.520	1.610	2.080	19.5	202-9551
-10UD	LS2SUS-61	22	61	.700	1.720	1.800	2.540	22.0	203-0390





Types LS2SWAU

MIL-DTL-24643/32

3 Through 61 Shielded Pairs • 600 Volts • Watertight • Non-Flexing Service • Temp -20 °C to +90 °C

Stranded coated or uncoated copper conductor, thermoset insulation. One black and one white conductor twisted to form pair, two sealed Polyester tapes or one tape with extruded jacket. Standard Identification Code by Method 2. The required number of shielded pairs cabled consecutively, optional fillers and binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/32	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS2SWAU-3	22	3	.700	.480	.520	.175	3.5	204-5540
-02UN	LS2SWAU-7	22	7	.700	.610	.660	.257	4.5	202-9552
-03UN	LS2SWAU-10	22	10	.700	.770	.830	.370	5.0	204-4872
-04UN	LS2SWAU-14	22	14	.700	.860	.930	.556	6.0	202-3537
-05UN	LS2SWAU-19	22	19	.700	.970	1.040	.731	6.5	202-9553
-06UN	LS2SWAU-24	22	24	.700	1.120	1.210	.957	7.5	202-3538
-07UN	LS2SWAU-30	22	30	.700	1.190	1.280	1.174	8.0	202-3539
-08UN	LS2SWAU-37	22	37	.700	1.290	1.380	1.462	8.5	203-0391
-09UN	LS2SWAU-44	22	44	.700	1.460	1.550	1.812	9.0	202-7766
-10UN	LS2SWAU-61	22	61	.700	1.660	1.740	2.214	10.0	205-5181





SEACOAST

Types LS2SWU

MIL-DTL-24643/33

1 Through 61 Shielded Pairs • 600 Volts • Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded tin-coated copper conductor, thermoset insulation. One black, one white conductor cabled to form a pair. Optional binder tape, braided tin-coated copper shield. LS2SWU-1: Optional binder tape, cross-linked Polyolefin jacket. All other sizes, shield insulation of two sealed Polyester tapes or one tape with extruded jacket. Standard Identification Code by Method 2. The required number of shielded pairs cabled consecutively, optional fillers and binder tapes. Cross-linked Polyolefin jacket.

Military Part No. 24643/33	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS2SWU-1	18	1	1.770	.240	.255	.103	2.0	205-3632
-02UN	LS2SWU-3	18	3	1.770	.670	.710	.207	4.0	203-0371
-03UN	LS2SWU-7	18	7	1.770	.860	.910	.358	5.0	204-0543
-04UN	LS2SWU-12	18	12	1.770	1.130	1.200	.700	6.5	204-6993
-05UN	LS2SWU-19	18	19	1.770	1.292	1.380	.810	8.0	204-0544
-06UN	LS2SWU-24	18	24	1.770	1.500	1.590	1.042	9.0	210-9472
-07UN	LS2SWU-30	18	30	1.770	1.670	1.760	1.256	9.5	205-3633
-08UN	LS2SWU-37	18	37	1.770	1.785	1.870	1.512	10.5	205-3634
-09UN	LS2SWU-61	18	61	1.770	2.205	2.300	2.231	13.5	204-6994

Type LSMS

MIL-DTL-24643/34

37 Conductor with Overall Shield • 300 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded tin-coated copper conductor, thermoset insulation. Standard Identification Code by Method 1. Thirty-seven conductors cabled consecutively, optional binder, braided tin-coated copper shield. Cross-linked Polyolefin jacket.

Military Part No. 24643/34	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)*				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UO	LSMS-37	16	37	2.828	.740	.800	.618	5.0	11/5	9/3	11/5	9/3	201-9522

* Individual/Average indicates the maximum current for each conductor (Ind), and the maximum current (Avg) for each conductor when all conductors in the cable are used.





Types LS3SU, LS3SUS

MIL-DTL-24643/35

3 Through 44 Shielded Triads • 600 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, thermoset insulation. Three conductors (white-black-red) cabled to form triad, optional binder tape, braided copper shield, shield insulation of two sealed Polyester tapes or one tape with extruded jacket. Standard Identification Code by Method 2. The required number of shielded triads cabled consecutively, filler, binder tape. Cross-linked Polyolefin jacket. LS3SUS: double overall shield.

Military Part No. 24643/35	Cable Type Designation	Conductor Size: AWG or MCM	Number of Triads in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS3SU-3	18	3	1.770	.650	.700	.262	4.5	202-3487
-02UN	LS3SU-7	18	7	1.770	.840	.910	.528	6.5	203-3300
-03UN	LS3SU-10	18	10	1.770	1.100	1.190	.791	7.5	202-8467
-04UN	LS3SU-14	18	14	1.770	1.200	1.290	1.054	8.5	202-8468
-05UN	LS3SU-19	18	19	1.770	1.340	1.430	1.353	9.0	202-3488
-06UN	LS3SU-24	18	24	1.770	1.580	1.670	1.799	10.5	202-8469
-07UN	LS3SU-30	18	30	1.770	1.680	1.770	2.266	11.0	202-9508
-08UN	LS3SU-37	18	37	1.770	1.840	1.930	2.664	12.0	202-8470
-09UN	LS3SU-44	18	44	1.770	2.060	2.150	3.273	13.0	203-0372
-01UD	LS3SUS-3	18	3	1.770	.710	.760	.444	9.5	202-6970
-02UD	LS3SUS-7	18	7	1.770	.900	.970	.792	12.0	202-0690
-03UD	LS3SUS-10	18	10	1.770	1.160	1.250	1.081	15.0	202-0691
-04UD	LS3SUS-14	18	14	1.770	1.260	1.350	1.416	16.5	202-3490
-05UD	LS3SUS-19	18	19	1.770	1.400	1.490	1.802	18.0	202-6971
-06UD	LS3SUS-24	18	24	1.770	1.640	1.730	2.190	21.0	204-4859
-07UD	LS3SUS-30	18	30	1.770	1.740	1.830	2.605	22.0	204-4860
-08UD	LS3SUS-37	18	37	1.770	1.900	1.990	3.301	24.0	202-6972
-09UD	LS3SUS-44	18	44	1.770	2.120	2.210	3.908	26.5	204-4861





SEACOAST

Types LS3SWU, LS3SWUS

MIL-DTL-24643/36

3 Through 44 Shielded Triads • 600 Volts • Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, thermoset insulation, three conductors (white-black-red) cabled to form triad, optional binder tape, braided tinned copper shield, shield insulation of two sealed Polyester tapes or one tape with extruded jacket. Standard Identification Code by Method 2. The required number of shielded triads cabled consecutively, fillers, binder tape. Cross-linked Polyolefin jacket. LS3SWUS: double overall shield.

Military Part No. 24643/36	Cable Type Designation	Conductor Size: AWG or MCM	Number of Triads in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS3SWU-3	18	3	1.770	.610	.655	.298	4.5	204-4862
-02UN	LS3SWU-7	18	7	1.770	.880	.940	.528	6.0	202-9011
-03UN	LS3SWU-10	18	10	1.770	1.100	1.180	.791	7.5	202-9012
-04UN	LS3SWU-14	18	14	1.770	1.200	1.280	1.052	8.5	202-9013
-05UN	LS3SWU-19	18	19	1.770	1.370	1.450	1.353	9.0	202-9014
-06UN	LS3SWU-24	18	24	1.770	1.640	1.760	1.799	10.5	202-9015
-07UN	LS3SWU-30	18	30	1.770	1.760	1.860	2.156	11.0	205-5175
-08UN	LS3SWU-37	18	37	1.770	1.890	1.940	2.664	12.0	202-9016
-09UN	LS3SWU-44	18	44	1.770	2.140	2.240	3.278	13.0	202-9017
-01UD	LS3SWUS-3	18	3	1.770	.675	.710	.429	8.5	204-4863
-02UD	LS3SWUS-7	18	7	1.770	.940	1.000	.712	12.0	203-6568
-03UD	LS3SWUS-10	18	10	1.770	1.160	1.240	.988	15.0	204-4261
-04UD	LS3SWUS-14	18	14	1.770	1.260	1.340	1.315	16.0	203-6569
-05UD	LS3SWUS-19	18	19	1.770	1.430	1.510	1.691	18.0	203-6570
-06UD	LS3SWUS-24	18	24	1.770	1.700	1.820	2.068	21.5	203-2371
-07UD	LS3SWUS-30	18	30	1.770	1.820	1.920	2.479	23.0	203-4031
-08UD	LS3SWUS-37	18	37	1.770	1.950	2.050	3.063	25.0	203-5395
-09UD	LS3SWUS-44	18	44	1.770	2.200	2.300	3.605	28.0	203-8502





Types LS3U

MIL-DTL-24643/37

3, 7 & 12 Triads • 300 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, thermoset insulation. Three conductors (white-black-red) cabled to form triad, identification braid on each triad. Standard Identification Code by Method 4. The specified number of triads cabled consecutively with fillers, binder tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/37	Cable Type Designation	Conductor Size: AWG or MCM	Number of Triads in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS3U-3	18	3	1.770	.580	.620	.123	4.5	203-9429
-02UN	LS3U-7	18	7	1.770	.760	.810	.288	5.5	205-3635
-03UN	LS3U-12	18	12	1.770	1.030	1.090	.491	7.5	204-4864

Type LSECM

MIL-DTL-24643/38

56 Single Conductor Plus 8 Shielded Pairs • 600 Volts • Watertight • Non-Flexing Service • Temp -20°C to +90°C

Twisted Pairs: Stranded tin-coated copper conductor, thermoset insulation, one black and one white conductor cabled to form a pair. Optional binder tape, tin-coated copper braided shield, shield insulation of two sealed Polyester tapes or one tape with extruded jacket. Standard Identification Code by Method 2. Groups of 7: Stranded tin-coated copper conductor, thermoset insulation, 5 black and 2 white conductors cabled to form a group of 7, two sealed Polyester tapes or one tape with extruded jacket. Standard Identification Code by Method 2. Assembly: Five shielded pairs cabled to form a core. 3 pairs and 8 groups of seven cabled over the core, fillers, binder tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/38	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
-01UN	LSECM	20	16	1.112	1.370	1.545	11.0	202-3537
-	-	18	56	1.770	-	-	-	-





SEACOAST

Type LS1S75MU

MIL-DTL-24643/39

8 Shielded Singles • 300 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded tin-coated copper conductor, thermoset insulation. Braided tin-coated copper shield. Shield insulation of two sealed Polyester tapes or one tape with extruded jacket. Standard Identification Code by Method 2. Eight shielded conductors cabled consecutively around center filler, binder tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/39	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS1S75MU-8	22	8	0.700	.950	1.030	.552	6.5	202-8476

Type LS1SMU

MIL-DTL-24643/40

5 Shielded Singles • 600 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded tin-coated copper conductor, thermoset insulation, tin-coated braided shield. Shield insulation of two sealed Polyester tapes or one tape with extruded jacket. Standard Identification Code by Method 2. Five conductors cabled consecutively around center filler, fillers, binder tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/40	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS1SMU-5	22	5	0.700	.465	.500	.128	3.0	202-0694





Type LS1SAU MIL-DTL-24643/41

44 Shielded Singles • 600 Volts • Non-Watertight • Non-Flexing Service • Temp -20 °C to +90 °C

Stranded coated or uncoated copper conductor, thermoset insulation, coated or uncoated copper braided shield over each conductor. Shield insulation of two sealed Polyester tapes or one tape with extruded jacket. Standard Identification Code by Method 2. Forty-four conductors cabled consecutively, binder tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/41	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS1SAU-44	20	44	1.112	.910	.990	.638	6.5	205-5183

Types LS1SU MIL-DTL-24643/42

36 & 60 Shielded Singles • 600 Volts • Non-Watertight • Non-Flexing Service • Temp -20 °C to +90 °C

Stranded tin-coated copper conductor, thermoset insulation, uncoated copper braided shield. Shield insulation of 2 sealed Polyester tapes or one tape with extruded jacket. Standard Identification Code by Method 2. For LS1SU-36, thirty-two size 20-7 and four #18AWG conductors. For LS1SU-60, sixty size 20-7 conductors. The required conductors cabled consecutively, binder tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/42	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS1SU-36	20	32	1.112	.910	.985	.642	6.0	203-4065
		18	4	1.770	-	-	-	-	-
-02UN	LS1SU-60	20	60	1.112	1.210	1.310	1.060	10.0	202-9047





SEACOAST

Types LS2SJ, LS3SJ, LS4SJ

MIL-DTL-24643/43

2, 3 & 4 Conductor with Overall Shield • 600 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded copper conductor tin-coated sizes 14 AWG and smaller; coated or uncoated for sizes 12 AWG and larger, thermoset insulation. Standard Identification Code by Method 3. Two, three or four conductors, as required, cabled with fillers, braided tin-coated copper shield, binder tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/43	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01U0	LS2SJ-22	22	2	.754	.261	.275	.050	1.0	3	2	—	—	205-3665
-02U0	LS2SJ-20	20	2	1.216	.273	.290	.056	1.5	6	5	—	—	202-7769
-03U0	LS2SJ-18	18	2	1.900	.295	.310	.060	1.5	10	8	—	—	202-6973
-04U0	LS2SJ-16	16	2	2.426	.309	.325	.074	2.0	13	11	—	—	202-7746
-05U0	LS2SJ-14	14	2	3.831	.337	.350	.083	2.0	16	14	16	14	202-7747
-06U0	LS2SJ-12	12	2	5.686	.417	.430	.134	2.0	23	17	16	14	202-7748
-07U0	LS2SJ-11	10	2	10.380	.447	.460	.164	2.5	31	25	16	14	202-6974
-08U0	LS2SJ-9	9	2	13.090	.525	.545	.232	2.5	42	35	42	35	202-7749
-09U0	LS2SJ-7	7	2	20.820	.600	.615	.288	2.5	56	49	56	49	202-3636
-10U0	LS3SJ-22	22	3	.754	.271	.285	.054	1.5	3	2	3	2	202-7770
-11U0	LS3SJ-20	20	3	1.216	.284	.300	.064	1.5	6	5	6	5	202-7771
-12U0	LS3SJ-18	18	3	1.900	.308	.325	.076	2.0	9	7	9	7	202-7750
-13U0	LS3SJ-16	16	3	2.426	.323	.340	.085	2.0	11	10	11	10	205-3637
-14U0	LS3SJ-14	14	3	4.831	.353	.370	.101	2.0	14	12	14	12	202-7751
-15U0	LS3SJ-12	12	3	5.686	.440	.455	.170	2.5	21	15	21	15	202-7752
-16U0	LS3SJ-9	9	3	13.090	.594	.620	.310	3.5	33	27	33	27	202-7753
-17U0	LS4SJ-20	20	4	.216	.303	.320	.048	2.0	6	5	—	—	202-7772
-18U0	LS4SJ-16	16	4	2.426	.346	.360	.079	2.5	9	7	—	—	204-4867
-19U0	LS4SJ-14	14	4	3.831	.380	.395	.128	2.5	11	9	—	—	202-6975





Type LS3SF

MIL-DTL-24643/44

7 Shielded Triads • 600 Volts • Non-Watertight • Non-Flexing Service • Temp -20 °C to +90 °C

Stranded coated or uncoated copper conductor, thermoset insulation, three conductors (black-white-red) cabled to form a triad, fillers, Polyester tape, braided shield of uncoated or tin-coated copper, shield insulation of two sealed Polyester tapes or one tape with extruded jacket. Standard Identification Code by Method 2. Seven triads cabled consecutively, binder tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/44	Cable Type Designation	Conductor Size: AWG or MCM	Number of Triads in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS3SF-7	18	7	1.770	1.000	1.040	.618	2.0	202-3491

Types LS2U

MIL-DTL-24643/45

10 Through 60 Pairs with Overall Shield • 300 Volts • Non-Watertight • Non-Flexing Service • Temp -20 °C to +90 °C

Stranded tin-coated copper conductor, thermoset insulation. Telephone Identification Code by Method 3. Two conductors cabled to form a pair. The required number of pairs cabled consecutively, optional binder tape, braided tin-coated copper shield, optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/45	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01U0	LS2U-10	26	10	.278	.450	.480	.118	4.0	202-8477
-02U0	LS2U-15	26	15	.278	.530	.560	.164	5.0	202-8478
-03U0	LS2U-19	26	19	.278	.550	.580	.185	6.0	202-9048
-04U0	LS2U-30	26	30	.278	.670	.700	.257	7.0	202-9049
-05U0	LS2U-45	26	45	.278	.830	.870	.360	8.5	202-9050
-06U0	LS2U-60	26	60	.278	.920	.960	.442	10.0	202-9051





SEACOAST

Type LS2WAU

MIL-DTL-24643/46

40 Pairs with Overall Shield • 600 Volts • Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded tin-coated copper conductor, thermoset insulation. Telephone Identification Code by Method 3. Two conductors cabled to form a pair, forty pairs cabled consecutively with optional fillers and binder tape, braided shield of tin-coated copper, optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/46	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UO	LS2WAU-40	22	40	.700	1.320	1.370	0.741	5.0	202-3532

Type LS1SMWU

MIL-DTL-24643/47

70 Shielded Singles • 600 Volts • Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded tin-coated copper conductor, thermoset insulation. Standard Identification Code by Method 2. Braided shield of tin-coated copper, shield insulation of two sealed Polyester tapes or one tape with extruded jacket, seventy singles cabled consecutively with optional fillers and binder tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/47	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LS1SMWU-70	22	70	.700	1.465	1.555	1.565	10.0	202-3534





Types LSDNW MIL-DTL-24643/48

2 Conductor • 1000 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, optional white separator, thermoset insulation. Standard Identification Code by Method 1 or 3. Two conductors cabled with optional fillers and binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/48	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	LSDNW-3	16	2	2.828	.361	.390	.071	2.0	13	12	13	12	202-3513
-02UN	LSDNW-4	14	2	4.481	.398	.430	.092	2.0	22	20	22	20	203-0376
-03UN	LSDNW-9	10	2	10.380	.504	.545	.179	2.0	44	41	44	41	202-3514
-04UN	LSDNW-14	9	2	13.090	.564	.610	.204	2.0	60	55	60	55	203-4032
-05UN	LSDNW-23	7	2	20.820	.638	.690	.292	2.0	78	72	78	72	202-3515
-06UN	LSDNW-50	3	2	52.620	.842	.910	.603	2.0	126	116	126	116	202-3516
-07UN	LSDNW-75	1	2	83.690	1.000	1.080	.882	2.0	168	155	168	155	202-3517
-08UN	LSDNW-100	0	2	105.600	1.082	1.170	1.058	2.0	199	183	199	183	202-3492
-09UN	LSDNW-200	0000	2	211.600	1.413	1.498	-	-	-	-	-	-	-
-10UN	LSDNW-300	300 MCM	2	300.000	1.671	1.756	-	-	-	-	-	-	-
-11UN	LSDNW-400	400 Navy STD	2	413.600	1.899	1.984	-	-	-	-	-	-	-





SEACOAST

Types LSTNW

MIL-DTL-24643/49

3 Conductor • 1000 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, optional white separator, thermoset insulation. Standard Identification Code by Method 1 or 3. Three conductors cabled with optional fillers and binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/49	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	LSTNW-3	16	3	2.828	.380	.411	.085	1.5	11	10	11	10	202-3501
-02UN	LSTNW-4	14	3	4.481	.415	.449	.107	2.0	18	17	18	17	203-4033
-03UN	LSTNW-9	10	3	10.380	.578	.625	.240	2.5	39	36	39	36	202-3502
-04UN	LSTNW-14	9	3	13.090	.620	.670	.271	2.5	51	47	51	47	202-3503
-05UN	LSTNW-23	7	3	20.820	.703	.760	.390	3.5	69	64	69	69	202-3504
-06UN	LSTNW-50	3	3	52.620	.869	.969	.793	4.5	110	101	110	101	202-3505
-07UN	LSTNW-75	1	3	83.690	1.048	1.134	1.200	5.0	148	136	148	136	202-3506
-08UN	LSTNW-100	0	3	105.600	1.171	1.266	1.452	6.0	174	160	174	160	202-3507
-09UN	LSTNW-150	000	3	167.800	1.401	1.515	2.218	7.0	235	216	235	216	202-3508
-10UN	LSTNW-200	0000	3	211.600	1.555	1.669	-	-	-	-	-	-	-
-11UN	LSTNW-300	300 MCM	3	300.000	1.843	1.957	-	-	-	-	-	-	-
-12UN	LSTNW-400	400 Navy STD	3	413.600	2.089	2.203	-	-	-	-	-	-	-
-13UN	LSTNW-30	30	3	30.090	.799	.865	-	-	-	-	-	-	-





Types LSFNW MIL-DTL-24643/50

4 Conductor • 1000 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, optional white separator, thermoset insulation. Standard Identification Code by Method 1 or 3. Four conductors cabled with optional fillers and binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/50	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	LSFNW-3	16	4	2.828	.413	.447	.104	2.0	11	10	11	10	203-6571
-02UN	LSFNW-4	14	4	4.481	.475	.513	.141	2.0	18	17	18	17	203-6572
-03UN	LSFNW-9	10	4	10.380	.583	.630	.268	2.5	39	36	39	36	203-6573
-04UN	LSFNW-23	7	4	20.820	.768	.830	.482	4.0	69	64	69	64	203-6574
-05UN	LSFNW-50	3	4	52.620	1.016	1.050	-	-	-	-	-	-	-
-06UN	LSFNW-75	1	4	83.690	1.206	1.240	-	-	-	-	-	-	-
-07UN	LSFNW-100	0	4	105.600	1.324	1.385	-	-	-	-	-	-	-
-08UN	LSFNW-150	000	4	167.800	1.591	1.625	-	-	-	-	-	-	-
-09UN	LSFNW-200	0000	4	211.600	1.786	1.820	-	-	-	-	-	-	-

Types LSMNW MIL-DTL-24643/51

7 Through 44 Conductor • 1000 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, thermoset insulation. Standard Identification Code by Method 1 or 3. The required number of conductors cabled consecutively, optional fillers and binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/51	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)*				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	LSMNW-7	18	7	1.770	.370	.400	.088	1.5	12/8	9/6	12/8	9/6	202-9019
-02UN	LSMNW-10	18	10	1.770	.457	.495	.127	1.5	12/8	9/6	12/8	9/6	204-6997
-03UN	LSMNW-14	18	14	1.770	.494	.535	.155	2.0	12/8	9/6	12/8	9/6	205-3644
-04UN	LSMNW-19	18	19	1.770	.545	.590	.198	2.0	12/8	9/6	12/8	9/6	203-8503
-05UN	LSMNW-24	18	24	1.770	.633	.685	.259	2.5	12/6	9/5	12/6	9/5	202-9020
-06UN	LSMNW-30	18	30	1.770	.670	.725	.300	2.5	12/6	9/5	12/6	9/5	202-9021
-07UN	LSMNW-37	18	37	1.770	.726	.785	.361	3.0	12/6	9/5	12/6	9/5	202-9022
-08UN	LSMNW-44	18	44	1.770	.823	.890	.447	3.5	12/5	9/4	12/5	9/4	202-9023

* Individual/Average indicates the maximum current for each conductor (Ind), and the maximum current (Avg) for each conductor when all conductors in the cable are used.





SEACOAST

Types LSTPNW MIL-DTL-24643/52

1 ½ Through 40 Pairs • 300 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, thermoset insulation. Telephone Identification Code by Method 3. Two conductors cabled to form a pair. The specified number of pairs cabled consecutively with optional fillers and binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/52	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	LSTPNW-1½	22	1 ½	.700	.217	.235	.024	1.0	205-3670
-02UN	LSTPNW-3	22	3	.700	.287	.310	.039	1.0	205-3671
-03UN	LSTPNW-5	22	5	.700	.338	.365	.059	1.5	205-3672
-04UN	LSTPNW-10	22	10	.700	.435	.470	.104	1.5	206-7518
-05UN	LSTPNW-15	22	15	.700	.490	.530	.138	2.0	205-3673
-06UN	LSTPNW-20	22	20	.700	.532	.575	.172	2.0	205-3674
-07UN	LSTPNW-30	22	30	.700	.629	.680	.255	2.5	201-8819
-08UN	LSTPNW-40	22	40	.700	.708	.765	.328	3.0	201-8820

Types LSSRW, LSDRW, LSTRW MIL-DTL-24643/53

1, 2 & 3 Conductor • 3000 Volts • Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, optional separator, thermoset insulation. Standard Identification Code by Method 1 or 3. Two or three conductors cabled with fillers, optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/53	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
-01UN	LSSRW	14	1	4.481	.400	.106	3.0	32	30	-	-	202-2054
-02UN	LSDRW	14	2	4.481	.670	.298	3.0	26	24	-	-	201-9057
-03UN	LSTRW	14	3	4.481	.710	.323	4.5	24	22	-	-	201-9523





Type LS8NW

MIL-DTL-24643/54

8 Conductor • 600 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded coated or uncoated copper conductor, thermoset insulation. Standard Identification Code by Method 1 or 3. Eight conductors cabled together with optional fillers and binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/54	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
-01UN	LS8NW-6	12	8	5.686	.670	.366	5.5	201-9059

Type LS4NW

MIL-DTL-24643/55

4 Conductor • 600 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded uncoated copper conductor, cross-linked Polyethylene insulation. Standard Identification Code by Method 1 or 3. Four conductors cabled together with optional fillers and binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/55	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
-01UN	LS4NW-8	8	4	16.510	.740	.612	6.0	210-2345

Type LS2SWL

MIL-DTL-24643/56

7 Pairs • 600 Volts • Watertight • Non-Flexing Service • Temp -20°C to +90°C

Tin-coated copper conductor, thermoset insulation. Two conductors (black and white) twisted to form a pair. Tinned copper braid shield, two Polyester tapes or one tape with extruded jacket, cabled to form seven shielded pairs, optional binder. Standard Identification Code by Method 2. Cross-linked Polyolefin jacket.

Military Part No. 24643/56	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
-01UN	LS2SWL-7	16	7	2.828	.910	.427	7.3	209-7450





SEACOAST

Types LS2UW, LS2UWS

MIL-DTL-24643/57

42 Pairs with Overall Shield • 300 Volts • Watertight • Non-Flexing Service • Temp -20°C to +90°C

Stranded tin-coated copper conductor, optional separator, thermoset insulation. Telephone Identification Code by Method 3. Two conductors cabled to form a pair. Forty-two pairs cabled together consecutively with optional fillers and binder, braided shield of tin-coated copper, separator tape. Cross-linked Polyolefin jacket. LS2UWS: double overall shield.

Military Part No. 24643/57	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
-01UO	LS2UW-42	26	42	0.278	.790	.493	6.5	202-7000
-03UD	LS2UWS-42	26	42	0.278	.825	.665	10.0	202-7002

Types LS2CS

MIL-DTL-24643/58

6 through 77 Pairs • 300 Volts • Non-Watertight • Non-Flexing Service • Temp -20°C to +90°C

Tin-coated copper, thermoset insulation. Conductors twisted to form a pair, number of pairs cabled, tinned copper braid shield, binder, second tin-coated copper braid shield, binder tape. Standard Identification Code by Method 6. Cross-linked Polyolefin jacket.

Military Part No. 24643/58	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UD	LS2CS-6	26	6	.278	.400	.430	.126	5.5	203-9466
-02UD	LS2CS-18	26	18	.278	.550	.590	.235	7.0	202-9058
-03UD	LS2CS-42	26	42	.278	.750	.800	.419	9.5	203-9467
-04UD	LS2CS-60	26	60	.278	.880	.930	.562	11.5	202-9059
-05UD	LS2CS-77	26	77	.278	1.000	1.070	.651	13.0	203-9468





Types LSC5FS, LSC5FSW, LSC5OS, LSC5OSW

MIL-DLT-24643/59

4 Pairs with Overall Shield • Category 5e • Non-Watertight and Watertight • Temp -20°C to +80°C

Four pair, solid uncoated copper conductor, 24 AWG nominal, Polyolefin insulation. Two insulated conductors twisted to form pair, identification per ANSI/TIA-568-C.2. Four pairs cabled together. For LSC5FS and LSC5FSW: an optional binder, 24 AWG drain wire, metallic foil/Polyester tape shield, cross-linked Polyolefin jacket. For LSC5OS and LSC5OSW: same construction with an overall tin-coated copper braided shield of 36 AWG or 34 AWG, optional overall binder tape. Types LSC5FSW and LSC5OSW: watertight variant with filler material.

Military Part No. 24643/59	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Shield	Water-Blocked	Jacket Color	Cable Overall Diameter	
							Min. (inch)	Max. (inch)
-01UO	LSC5FS-4	24, Solid BC	4	Foil	No	Black	.240	.360
-02UO	LSC5FSW-4	24, Solid BC	4	Foil	Yes	Black	.240	.380
-03UO	LSC5OS-4	24, Solid BC	4	Foil + Braid	No	Black	.290	.400
-04UO	LSC5OSW-4	24, Solid BC	4	Foil + Braid	Yes	Black	.300	.420

Types LSC5, LSC5W

MIL-DTL-24643/60

4 Pairs • Unshielded • Category 5e • Non-Watertight and Watertight

Four pair, solid copper conductor, 24 AWG nominal, Polyolefin insulation. Two insulated conductors twisted to form pair, identification per ANSI/TIA-568-C.2. Four pairs cabled together. Cross-linked Polyolefin jacket. LSC5W: watertight variant with filler material, and optional binder tape.

Military Part No. 24643/60	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Shield	Water-Blocked	Jacket Color	Cable Overall Diameter	
							Min. (inch)	Max. (inch)
-01UN	LSC5-4	24, Solid BC	4	None	No	Black	.220	.270
-02UN	LSC5W-4	24, Solid BC	4	None	Yes	Black	.230	.290





Types LSC5P, LSC5POS, & LSC5POSR

MIL-DTL-24643/61

4 Pairs • Unshielded and with Overall Shield • Category 5e • Non-Watertight • Temp -20°C to +80°C

Four pair, stranded copper conductor, 24 AWG or 26 AWG, Polyolefin insulation. Two insulated conductors twisted to form pair, identification per ANSI/TIA-568-C.2. Four pairs cabled together, cross-linked Polyolefin jacket. For LSC5POS and LSC5POSR: an optional binder, 24 AWG drain wire, metallic foil/Polyester tape shield, a tinned copper braided shield of 36 AWG or 34 AWG, an optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/61	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Cable Overall Diameter	
				Min. (inch)	Max. (inch)
-01UN	LSC5P-4	24	4	.230	.280
-02UD	LSC5POS-4	24	4	.290	.370
-03UD	LSC5POSR-4	26	4	.230	.280

Types LSPB2SD, LSPB2SDW, LSPB2SDOS, LSPB2SDOSW

MIL-DTL-24643/62

1 Pair with Overall Shield • 150 Volts • Profibus • Non-Watertight and Watertight • Temp -20°C to +80°C

Single twisted pair, solid uncoated copper conductor, 22 AWG nominal, Polyolefin insulation. Two insulated conductors twisted to form pair, identification code – red and green. Optional binder, 24 AWG drain wire, round tin-coated copper braid shield, optimized for -01 and -02 variants. Optional binder, cross-linked Polyolefin jacket. For LSPB2SDOS and LSPB2SDOSW: same construction with a second tin-coated copper braided optimized shield, and optional binder. Types LSPB2SDW and LSPB2SDOSW: watertight variants with filler material.

Military Part No. 24643/62	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Shield	Water-Blocked	Jacket Color	Cable Overall Diameter	
							Min. (inch)	Max. (inch)
-01	LSPB2SD-1	22 solid BC	1	Single	No	Black	.330	.390
-02	LSPB2SDW-1	22 solid BC	1	Single	Yes	Black	.345	.405
-03	LSPB2SDOS-1	22 solid BC	1	Double	No	Black	.440	.500
-04	LSPB2SDOSW-1	22 solid BC	1	Double	Yes	Black	.450	.530





Types LSYSGU MIL-DLT-24643/63

7 Conductor • 1000 Volts • Watertight • Temp -20°C to +105°C

Seven conductor, stranded coated or uncoated copper conductor, optional separator, extruded silicone rubber or silicone rubber-glass tape insulation. Seven conductors cabled consecutively, optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/63	Conductor Size AWG or MCM	Circular Mils	Stranding	Amps Per Phase (2 conductor)		'Ω/1000 ft. @ 25°C (Max.)	CABLE		
				40°C	50°C		Jacket Thickness (Min.)	Cable Overall Diameter (Max)	Weight (lbs/ft)
-01UN	16	2580	7 x 0.0192	18	16	4.300	.040	.535	.188
-02UN	14	4110	7 x 0.0242	29	27	2.680	.040	.580	.255
-03UN	12	6530	7 x 0.0305	39	36	1.900	.040	.640	.314
-04UN	10	10380	7 x 0.0385	62	58	1.125	.040	.730	.420
-05UN	8	16510	7x0.0486	84	77	0.790	.050	1.000	.725
-06UN	4	41740	19 x 0.0469	145	133	0.287	.050	1.206	1.400
-07UN	2	66360	37x0.0424	193	178	0.203	.060	1.426	2.000
-08UN	1	83690	37 x 0.0476	237	218	0.145	.060	1.541	2.400
-09UN	0	105600	61 x 0.0416	272	254	0.120	.060	1.669	3.000
-10UN	00	133100	61 x 0.0467	320	294	0.0888	.065	1.828	3.750
-11UN	000	167800	61 x 0.0524	376	346	0.0674	.065	1.990	4.500





SEACOAST

Types LSTPSJ (LS1TPSJ, LS2TPSJ, LS3TPSJ, LS4TPSJ)

MIL-DTL-24643/64

1 through 4 Shielded Pairs • 600 Volts • Non-Watertight • Temp -40°C to 105°C

Multipair, stranded tin-coated copper conductor, optional separator, thermoset insulation. Two insulated conductors (black and white) twisted to form pair, braided shield of 36 AWG tin-coated copper. The required number of pairs cabled together, optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/64	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Core Diameter (braid & opt. binder) (±0.006"-single pair) (±0.030"-Multipair)	Finished Diameter (±0.016"-single pair) (±0.030"-Multipair)
-01UN	LS1TPSJ24	24	1	.110	.170
-02UN	LS1TPSJ22	22	1	.122	.182
-03UN	LS1TPSJ20	20	1	.140	.200
-04UN	LS1TPSJ18	18	1	.160	.220
-05UN	LS1TPSJ16	16	1	.174	.234
-06UN	LS1TPSJ14	14	1	.202	.262
-07UN	LS2TPSJ24	24	2	.200	.260
-08UN	LS2TPSJ22	22	2	.225	.285
-09UN	LS2TPSJ20	20	2	.265	.325
-10UN	LS2TPSJ18	18	2	.310	.390
-11UN	LS2TPSJ16	16	2	.340	.420
-12UN	LS2TPSJ14	14	2	.385	.465
-13UN	LS3TPSJ24	24	3	.215	.275
-14UN	LS3TPSJ22	22	3	.225	.285
-15UN	LS3TPSJ20	20	3	.265	.325
-16UN	LS3TPSJ18	18	3	.310	.390
-17UN	LS3TPSJ16	16	3	.370	.450
-18UN	LS3TPSJ14	14	3	.410	.490
-19UN	LS4TPSJ24	24	4	.235	.295
-20UN	LS4TPSJ22	22	4	.265	.325
-21UN	LS4TPSJ20	20	4	.315	.395
-22UN	LS4TPSJ18	18	4	.370	.450
-23UN	LS4TPSJ16	16	4	.400	.480
-24UN	LS4TPSJ14	14	4	.460	.540





Types LS3C179DT & LS6C179DT

MIL-DTL-24643/65

3 or 6 Shielded Coaxial Cables • 150 Volts • Non-Watertight • Temp -20 °C to +90 °C

Coaxial, solid coated or uncoated copper conductor, thermoset insulation. Light bonded aluminum foil-Polyester tape shield, braided shield of 38 AWG tinned copper, cross-linked Polyolefin jacket. The required number of coaxial cables cabled together, fillers may be used. Black Jacket. Optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/65	Cable Type Designation	Conductor Size: AWG or MCM	Number of Coaxes	Diameter Over Shield nominal (inch)	Cable Jacket Thickness Min Average (inch)	Cable Overall Diameter (inch)			Cold Bend Mandrel Diameter (inch)
						Nom.	Min.	Max.	
-01UO	LS3C179DT	28 solid TC	3	.240	.047	.350	.335	.365	4.0
-02UO	LS6C179DT	28 solid TC	6	.325	.050	.440	.425	.455	5.0

Types LS20W

MIL-DTL-24643/66

2 Conductor with Overall Shield • 1000 Volts • Watertight • Non-Flexing Service • Temp -20 °C to +105 °C

Two conductor, watertight, stranded coated or uncoated copper conductor, thermoset insulation, extruded or taped, optional glass braid, optional covering. Two conductors cabled, aluminum foil Polyester tape, braided tin-coated copper shield, water-blocking fillers. Standard Identification Code by Method 1, 3, or 5. Optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/66	Cable Type Designation	Conductor Size: AWG or MCM	Insulation Wall Thickness Min. Avg. (inch)	Diameter Over Shield	Cable Overall Diameter		Amps per Cond Max.	
					Min. (inch)	Max. (inch)	40 °C	50 °C
-01UO	LS20W-3	16 - Class B	.018	.027	.412	.442	13	12
-02UO	LS20W-4	14 - Class B	.018	.028	.429	.460	22	20
-03UO	LS20W-9	10 - Class B	.018	.036	.513	.551	44	41
-04UO	LS20W-14	9 - Class B	.025	.040	.639	.686	60	55
-05UO	LS20W-23	7 - Class B	.025	.050	.743	.797	78	72
-06UO	LS20W-50	3 - Class C	.035	.050	.894	.959	126	116
-07UO	LS20W-75	1 - Class C	.035	.050	1.033	1.108	168	155
-08UO	LS20W-100	0 - Class D	.035	.060	1.149	1.232	199	183
-09UO	LS20W-200	0000 - Class D	.050	.060	1.519	1.630	308	284





SEACOAST

Types LS30W

MIL-DTL-24643/67

3 Conductor with Overall Shield • 1000 Volts • Watertight • Non-Flexing Service • Temp -20 °C to +105 °C

Three conductor, watertight, stranded coated or uncoated copper conductor, thermoset insulation, extruded or taped, optional glass braid, optional covering. Three conductors cabled, aluminum foil Polyester tape, braided tin-coated copper shield, water-blocking fillers. Standard Identification Code by Method 1, 3 or 5. Optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/67	Cable Type Designation	Conductor Size: AWG or MCM	Insulation Wall Thickness Min. Avg. (inch)	Jacket Wall Thickness Min. Avg. (inch)	Cable Overall Diameter		Amps per Cond Max.	
					Min. (inch)	Max. (inch)	40 °C	50 °C
-01UO	LS30W-3	16 - Class B	.018	.027	.431	.463	11	12
-02UO	LS30W-4	14 - Class B	.018	.028	.449	.482	18	20
-03UO	LS30W-9	10 - Class B	.018	.036	.540	.580	39	41
-04UO	LS30W-14	9 - Class B	.018	.040	.684	.733	51	55
-05UO	LS30W-23	7 - Class B	.030	.050	.769	.853	69	72
-06UO	LS30W-50	3 - Class C	.030	.050	.957	1.027	110	116
-07UO	LS30W-75	1 - Class C	.035	.050	1.107	1.187	148	136
-08UO	LS30W-100	0 - Class D	.035	.060	1.231	1.321	174	160
-09UO	LS30W-200	0000 - Class D	.050	.060	1.630	1.748	271	250
-10UO	LS30W-300	300 MCM	.050	.075	1.916	2.055	348	320
-11UO	LS30W-400	400 MCM (127)	.050	.075	2.190	2.349	435	400

Types LS40W

MIL-DTL-24643/68

4 Conductor with Overall Shield • 1000 Volts • Watertight • Non-Flexing Service • Temp -20 °C to +105 °C

Four conductor, watertight, stranded coated or uncoated copper conductor, thermoset insulation, extruded or taped, optional glass braid, optional covering. Four conductors cabled, aluminum foil Polyester tape, braided tin-coated copper shield, water-blocking fillers. Standard Identification Code by Method 1, 3 or 5. Optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/68	Cable Type Designation	Conductor Size: AWG or MCM	Insulation Wall Thickness Min. Avg. (inch)	Jacket Wall Thickness Min. Avg. (inch)	Cable Overall Diameter		Amps per Cond Max.	
					Min. (inch)	Max. (inch)	40 °C	50 °C
-01UO	LS40W-3	16 - Class B	.018	.027	.463	.497	11	10
-02UO	LS40W-4	14 - Class B	.018	.028	.485	.521	18	17
-03UO	LS40W-9	10 - Class B	.018	.036	.588	.631	39	36
-04UO	LS40W-14	9 - Class B	.018	.040	.772	.828	60	55
-05UO	LS40W-23	7 - Class B	.030	.050	.900	.965	69	64
-06UO	LS40W-50	3 - Class C	.030	.050	1.084	1.163	110	101
-07UO	LS40W-75	1 - Class C	.035	.050	1.254	1.345	148	136
-08UO	LS40W-100	0 - Class D	.035	.060	1.396	1.498	174	160
-085UO	LS40W-150	000 - Class D	.050	.060	1.600	1.725	235	216
-09UO	LS40W-200	0000 - Class D	.050	.060	1.850	1.984	271	250





Type LSC264

MIL-DTL-24643/69

4 Coaxial Cables with Overall Shield • Watertight • Temp -20°C to +90°C

Coaxial, solid coated or uncoated copper conductor, thermoset insulation, braided 36 AWG bare copper, shield insulation of two Polyester tapes. Alternate shield insulation of one Polyester tape with an extruded jacket. Four coaxial components cabled together, waterblocking filler, optional binder, braided overall 34 AWG tin-coated copper. Moisture barrier tape. Cross-linked Polyolefin jacket.

Military Part No. 24643/69	Cable Type Designation	Cable Overall Diameter	
		Min.	Max.
-01U0	LSC264-4	.735	.765

Types LSSCF

MIL-DTL-24643/71

Single Conductor • 1000 Volts • Non-Watertight • Flexing Service • Temp -20°C to +125°C

Stranded tin-coated copper conductor, flexible extruded silicone insulation. Flexible cross-linked Polyolefin jacket.

Military Part No. 24643/71	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Conductor Strands 30 AWG Strand Size	Conductor Resistance	Insulation		Jacket Thickness Min. Avg. (inch)	Cable Overall Diameter	
							Diameter Min. (inch)	Resistance (megohms)		Min. (inch)	Max. (inch)
-01UN	LSSCF-3	16	1	2.600	26	4.624	.110	500	0.012	.135	.150
-02UN	LSSCF-4	14	1	4.100	41	2.880	.155	500	0.012	.180	.195
-03UN	LSSCF-10	10	1	10.500	105	1.140	.195	500	0.017	.230	.245
-04UN	LSSCF-16	8	1	16.800	168	.729	.270	500	0.022	.320	.340
-05UN	LSSCF-26	6	1	26.600	259	.459	.315	250	0.022	.365	.385
-06UN	LSSCF-42	4	1	41.650	420	.289	.370	200	0.032	.440	.460
-07UN	LSSCF-66	2	1	66.500	665	.184	.435	150	0.042	.525	.555
-08UN	LSSCF-105	0	1	105.023	1045	.115	.555	125	0.047	.655	.685
-09UN	LSSCF-133	00	1	133.650	1330	.0922	.605	100	0.047	.705	.735
-10UN	LSSCF-165	000	1	166.931	1672	.0731	.680	100	0.047	.780	.820
-11UN	LSSCF-210	0000	1	211.452	2109	.0580	.730	90	0.047	.830	.870
-12UN	LSSCF-250	250 MCM	1	250.000	2449	0.0491	0.830	80	0.047	0.93	0.97
-13UN	LSSCF-300	300 MCM	1	300.000	2989	0.0409	0.860	75	0.047	0.96	1.01
-14UN	LSSCF-350	350 MCM	1	350.000	3458	0.0354	0.890	75	0.047	0.99	1.04
-15UN	LSSCF-400	400 MCM	1	400.000	3990	0.0310	0.960	70	0.047	1.065	1.115





SEACOAST

Type LSFCF

MIL-DTL-24643/72

Multiconductor • 1000 Volts • Non-Watertight • Flexing Service • Temp -20°C to +90°C

Stranded tin-coated copper conductor, thermoset insulation. Four conductors size 4 AWG cabled with four conductors size 16 AWG, optional fillers, optional binder, braided shield of 34 AWG tin-coated copper, optional binder. Flexible cross-linked Polyolefin jacket.

Military Part No. 24643/72	Cable Type Designation	Minimum Bend Radius (inch)	Cable Overall Diameter	
			Min.	Max.
-01U0	LSFCF-42	7.5	1.250	1.350

Type LSTCF

MIL-DTL-24643/73

3 Conductor • 1000 Volts • Non-Watertight • Flexing Service

Stranded tin-coated copper conductor, size 200, optional separator, thermoset insulation. Three conductors cabled, optional fillers, optional binder. Cross-linked Polyolefin jacket.

Military Part No. 24643/73	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductor in Cable	Area of Each Conductor (MCM)	Conductor Resistance (ohms)	Radius of Bend Min. (inch)	Jacket Thickness Min. Avg. (inch)	Cable Overall Diameter	
								Min. (inch)	Max. (inch)
-01UN	LSTCF-200	0000	3	211.6	0.054	9	0.065	1.700	1.800





Type LSLCFS

MIL-DTL-24643/75

12 ½ Pairs with Overall Shield • 300 Volts • Non-Watertight • Non-Flexing Service
RS232/422/485 Serial Transmission Cable • Temp -20 °C to +90 °C

Stranded coated or uncoated copper conductor, thermoset insulation. Solid color code to be applied by using Method 3. Two conductors twisted to form pair. Twelve pairs and one insulated conductor cabled consecutively, no fillers permitted, binder tape, 24 AWG drain wire, copper foil/Polyester tape shield overall. Cross-linked Polyolefin jacket.

Military Part No. 24643/75	Cable Type Designation	Number of Pairs in cable	Conductor	Shield	Cable Overall Diameter	
					Min. (inch)	Max. (inch)
-01U0	LSLCFS-25	12 ½	24 Stranded BC	Foil	0.450	0.530
-02U0	LSLCFS-50*	25	24 stranded BC	Foil	0.490	0.570

*QPL Pending

Type LS5KVTEPSG

MIL-DTL-24643/76

3 Conductor with Grounds • 5000 Volts • 133 Percent Rated • Watertight • Non-Flexing Service • Shielded
Temp -20 °C to +105 °C

Three shielded conductors; Stranded coated or uncoated copper, waterblocking material, Optional semi-conducting tape separator, thermoset semi-conducting conductor shield, thermoset EPR insulation. Extruded semi-conducting insulation shield, optional semi-conducting separator tape, Tin-coated copper braided wire shield, optional binder, XLPO jacket. Three insulated ground wires; Stranded coated or uncoated copper, thermoset insulation, optional covering. Three conductors cabled with the three ground wires, waterblocking compound, optional binder, braided shield of tin-coated copper, optional binder, XLPO jacket.

Military Part No. M24643/86	Cable Type Designation	Conductor Size: AWG or MCM	Cable Overall Diameter Max. (Inch)	Conductor Resistance (ohms)	Insulation Resistance (megohms)	Accelerated Service Loading (amperes)
-01U0	LS5KVTEPSG-250	250	2.900	0.0453/Gnds: 0.3330	900	535
-02U0	LS5KVTEPSG-400	400 (127) Navy Std	3.300	0.0273/Gnds: 0.3330	750	750





SEACOAST

Types LSC6FS, LSC60S, and LSC60SW MIL-DTL-24643/77

4 Pairs with Overall Shield • Category 6A • Non-Watertight and Watertight • Temp -20°C to +80°C

Four pair, solid copper conductor, 23 AWG nominal, polyolefin insulation. Two insulated conductors twisted to form pair, identification per ANSI/TIA-568-C.2. Four pairs cabled together. Watertight variant with filler material. For LSC6FS-4 and LSC6FSW-4; an optional binder, 24 AWG drain wire, metallic foil/polyester tape shield, cross-linked polyolefin jacket, surface marking. For LSC60S-4 and LSC60SW-4; same construction with an overall tinned copper braided shield of 36 AWG or 34 AWG, optional overall binder tape, cross-linked polyolefin jacket, surface marking.

Military Part No. MIL-DTL 24643/77	Type	Pairs	Conductor	Shield	Cable Overall Diameter		Water-blocked	Jacket Color
					Min. (inch)	Max. (inch)		
-01UO	LSC6FS-4	4	24, solid BC	Foil	0.330	0.380	No	Black
-02UO	LSC60S-4	4	24, solid BC	Foil + Braid	0.350	0.400	No	Black
-03UO	LSC60SW-4	4	24, solid BC	Foil + Braid	0.380	0.440	Yes	Black





Type LS5KVTSSGUSHR MIL-DTL-24643/86

3 Conductor • 5000 Volts • Watertight • Non-Flexing Service • Temp -20°C to +105°C

Stranded coated or uncoated copper conductor, semi-conducting tape, silicone rubber insulation, silicone rubber/fiberglass tape insulation, semi-conducting tapes layer with phase identification print. Three conductors cabled with fillers as needed, semi-conducting tape overall, a braided shield of tin-coated copper, overall polyester tape. A cross-linked low smoke, zero halogen, cross-linked polyolefin jacket.

Military Part No. M24643/86	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Cable Overall Diameter Max. (Inch)	Conductor Resistance (ohms)	Insulation Resistance (megaohms)	Accelerated Service Loading (amperes)
-01U0	LS5KVTSS-GUSHR-100	100 - Class D	3	1.870	0.1060	400	295
-02U0	LS5KVTSS-GUSHR-250	250 - Class C	3	2.300	0.0453	300	535
-03U0	LS5KVTSS-GUSHR-400	400 Navy Std	3	2.750	0.0273	250	750



Common Phrase of Navy Origin



“**ABOVE BOARD**”

Originating in the days of pirates who would hide their crews behind a ship’s bulwarks (below board), the Navy phrase “Above Board” indicates honesty. Legitimate captains command their crew to stand on the open deck, “ Above Board.”



Through our program of continuous quality improvement, Seacoast stands **Above Board** in all its dealings, earning high customer confidence and expectation.



MIL-DTL - 24640



MIL-DTL-24640

MIL-DTL- 24640

The U.S. Navy designed and introduced the M24640 specification to provide cables able to meet circuit density, weight and size considerations. These cables are low smoke, flame retardant and zero halogen. The MIL-DTL-24640 cables are significantly lighter in weight and smaller in diameter than MIL-DTL-24643. These M24640 cables are used where weight and space savings are critical; however they are not direct replacement conversions.



ITEM	PG #	SHORT DESCRIPTION
DX	p.65	Two conductor, Non-Watertight, cross-linked Polyalkene insulation, cross-linked Polyolefin jacket.
DXWB	p.65	Same as DX, except 7 strand, Watertight.
DXOW	p.77	Same as DXW, except with overall optimized braid shield under jacket.
DXW	p.77	Two conductor, Watertight, MICA/glass tape insulation, cross-linked Polyolefin jacket.
FX	p.66	Four conductor, Non-Watertight, cross-linked Polyalkene insulation, cross-linked Polyolefin jacket.
FXWB	p.66	Same as FX, except 7 strand, Watertight.
FXW	p.78	Four conductor, Watertight, MICA/glass tape insulation, cross-linked Polyolefin jacket.
FXOW	p.78	Same as FXW, except with overall optimized braid shield under jacket.
MXCOW	p.79	Same as MXCW, except with overall optimized braid shield under jacket.
MXCW	p.79	Multiconductor, Watertight, MICA/glass tape insulation, cross-linked Polyolefin jacket.
MXO	p.69	Multiconductor, Non-Watertight, cross-linked Polyalkene insulation, overall optimized braid shield, cross-linked Polyolefin jacket.
MXOW	p.69	Same as MXO, except 7 strand, Watertight.
MXSO	p.71	Same as MXO, except 16 AWG.
MXSOW	p.71	Same as MXSO, except 7 strand, Watertight.
TTX	p.66	Multipair, twisted, Non-Watertight, cross-linked Polyalkene insulation, cross-linked Polyolefin jacket.
TTXWB	p.66	Same as TTX, except 7 strand, Watertight.
TTXOW	p.80	Same as TTXW, except with overall optimized braid shield.
TTXS	p.67	Multipair, twisted, shielded, Non-Watertight, cross-linked Polyalkene insulation, overall optimized braid shield, cross-linked Polyolefin jacket.
TTXSO	p.67	Same as TTXS, except with additional overall optimized braid shield.
TTXSOW	p.67	Same as TTXSO, except 7 strand, Watertight.
TTXSW	p.67	Same as TTXS, except 7 strand, Watertight.
TTXW	p.80	Multipair, Watertight, MICA/glass insulation, cross-linked Polyolefin jacket.
TX	p.65	Three conductor, Non-Watertight, cross-linked Polyalkene insulation, cross-linked Polyolefin jacket.
TXWB	p.65	Same as TX, except 7 strand, Watertight.
TXW	p.77	Three conductor, Watertight, MICA/glass tape insulation, cross-linked Polyolefin jacket.
TXOW	p.77	Same as TXW, except with overall optimized braid shield under jacket.

ITEM	PG #	SHORT DESCRIPTION
1XMSO	p.69	Multiconductor, Non-Watertight, cross-linked Polyalkene insulation, overall optimized braid shield, cross-linked Polyolefin jacket.
1XMSOW	p.69	Same as 1XMSO, except 7 strand, Watertight.
1XSOW	p.73	Multiconductor, Watertight, cross-linked Polyalkene insulation, overall shield, cross-linked Polyolefin jacket.
2XA0	p.68	Multipair, twisted, Non-Watertight, cross-linked Polyalkene insulation, overall optimized braid shield, cross-linked Polyolefin jacket.
2XA0W	p.68	Same as 2XA0, except 7 strand, Watertight.
2X0	p.72	Multipair, twisted, Non-Watertight, cross-linked Polyalkene insulation, overall optimized braid shield, cross-linked Polyolefin jacket.
2X0W	p.75	Multipair, twisted, Watertight, cross-linked Polyalkene insulation, overall optimized braid shield, cross-linked Polyolefin jacket.
2XS	p.70	Multipair, twisted, shielded, Non-Watertight, cross-linked Polyalkene insulation, cross-linked Polyolefin jacket.
2XSAW	p.74	Multipair, twisted, shielded, Watertight, cross-linked Polyalkene insulation, cross-linked Polyolefin jacket.
2XSAWA	p.74	Same as 2XSAW with Aluminum armor.
2XSA0W	p.74	Same as 2XSAW, except with overall optimized braid shield.
2XS0	p.70	Same as 2XS, except with overall optimized braid shield.
2XSOW	p.75	Same as 2XSW, except with overall optimized braid shield.
2XSW	p.75	Multipair, shielded, Watertight, cross-linked Polyalkene insulation, cross-linked Polyolefin jacket.
2XSX0	p.73	Multipair, twisted, shielded, Non-Watertight, cross-linked Polyalkene insulation, overall optimized braid shield, cross-linked Polyolefin jacket.
2XSX0W	p.73	Same as 2XSX0, except 7 strand, Watertight.
3XS	p.72	Multitriad, twisted, shielded, Non-Watertight, cross-linked Polyalkene insulation, cross-linked Polyolefin jacket.
3XSOW	p.76	Same as 3XSW, except with overall optimized braid shield.
3XSW	p.76	Multitriad, twisted, shielded, Watertight, cross-linked Polyalkene insulation, cross-linked Polyolefin jacket.
5X0	p.81	Multiconductor, Non-Watertight, cross-linked Polyalkene insulation, overall optimized braided shield, cross-linked Polyolefin jacket.
7XW	p.78	Seven conductor, Watertight, MICA/glass tape insulation, cross-linked Polyolefin jacket.
9XS	p.81	Multipair, twisted, Non-Watertight, cross-linked Polyalkene insulation, overall optimized braided shield, cross-linked Polyolefin jacket.



Types DX, DXWB

MIL-DTL-24640/1

2 Conductor • 600 Volts • Light Weight • Non-Flexing Service • Temp -20°+105°C

Two conductor, 19 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Fluoride (PVDF) insulation jacket (conductors per SAE-AS81044). Two conductors cabled, optional binder tape, cross-linked Polyolefin jacket, surface marking. DXWB: Same construction except 7 strand, Watertight. Standard Identification Code by Method 1 or 3.

Military Part No. 24640/1	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	DX-3	16	2	2.828	.223	.241	.039	2.0	13	12	13	12	224-6905
-02UN	DX-4	14	2	4.481	.266	.286	.057	2.5	22	20	22	20	224-6906
-03UN	DXWB-3	16	2	2.426	.233	.251	.045	2.0	13	12	13	12	-
-04UN	DXWB-4	14	2	3.830	.276	.296	.068	2.5	22	20	22	20	-

Types TX, TXWB

MIL-DTL-24640/2

3 Conductor • 600 Volts • Light Weight • Non-Flexing Service • Temp -20°+105°C

Three conductor, 19 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Fluoride (PVDF) insulation jacket (conductors per SAE-AS81044). Three conductors cabled, optional binder tape, cross-linked Polyolefin jacket, surface marking. TXWB: Same construction except 7 strand, Watertight. Standard Identification Code by Method 1 or 3.

Military Part No. 24640/2	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	TX-3	16	3	2.828	.243	.261	.052	2.0	11	10	11	10	224-6908
-02UN	TX-4	14	3	4.481	.288	.310	.076	2.5	18	17	18	17	224-6909
-03UN	TXWB-3	16	3	2.426	.255	.265	.060	2.0	11	10	11	10	-
-04UN	TXWB-4	14	3	3.830	.300	.320	.084	2.5	18	17	18	17	-





Types FX, FXWB

MIL-DTL-24640/3

4 Conductor • 600 Volts • Light Weight • Non-Flexing Service • Temp -20° +105° C

Four conductor, 19 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Flouride (PVDF) insulation jacket (conductors per SAE-AS81044). Four conductors cabled, optional binder tape, cross-linked Polyolefin jacket, surface marking. FXWB: Same construction except 7 strand, Watertight. Standard Identification Code by Method 1 or 3.

Military Part No. 24640/3	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	FX-3	16	4	2.828	.262	.282	.063	2.5	11	10	11	10	224-6912
-02UN	FX-4	14	4	4.481	.311	.335	.093	3.0	18	17	18	17	224-6913
-03UN	FXWB-3	16	4	2.426	.275	.300	.060	2.5	11	10	11	10	-
-04UN	FXWB-4	14	4	3.830	.325	.350	.084	2.5	18	17	18	17	-

Types TTX, TTXWB

MIL-DTL-24640/4

Pairs • 600 Volts • Light Weight • Non-Flexing Service • Temp -20° +105° C

Multipair, 19 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Flouride (PVDF) insulation jacket (conductors per SAE-AS81044). The required pairs twisted and cabled consecutively, optional binder tape, cross-linked Polyolefin jacket, surface marking. TTXWB: Same construction except 7 strand, Watertight. Pair Identification Code by Method 6.

Military Part No. 24640/4	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt Per Ft Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)*				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	TTX-3	20	3	1.216	.296	.320	.062	2.5	5/4.0	4/3.0	5/4.0	4/3.0	225-2190
-02UN	TTX-15	20	15	1.216	.549	.591	.221	5.0	5/0.6	4/0.5	5/0.6	4/0.5	225-1393
-03UN	TTXWB-3	20	3	1.216	.310	.330	.069	2.5	5/4.0	4/3.0	5/4.0	4/3.0	-
-04UN	TTXWB-15	20	15	1.216	.550	.591	.244	5.0	5/0.6	4/0.5	5/0.6	4/0.5	-

* Individual/Average indicates the maximum current for each conductor (Ind), and the maximum current (Avg) for each conductor when all conductors in the cable are used.





Types TTXS, TTXSW, TTXSO, TTXSOW MIL-DTL-24640/5

Shielded Pairs • 600 Volts • Light Weight • Non-Flexing Service • Temp -20°+105°C

Multipair, 19 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Flouride (PVDF) insulation jacket (conductors per SAE-AS81044). Two conductors twisted to form a pair, optional binder tape, tinned copper braid shield, plus a tape shield isolation. The required number of pairs cabled consecutively, optional binder tape, cross-linked Polyolefin jacket, surface marking. TTXSO: Same construction as TTXS with additional overall optimized tinned copper braided shield and optional binder tape. TTXSW and TTXSOW: Same construction except 7 strand, Watertight. Standard Identification Code by Method 2.

Military Part No. 24640/5	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	TTXS-2	20	2	1.216	.335	.361	.074	3.0	224-6917
-02UN	TTXS-4	20	4	1.216	.393	.424	.115	3.5	226-5038
-03UN	TTXSW-2	20	2	1.216	.380	.400	.095	3.0	-
-04UN	TTXSW-4	20	4	1.216	.430	.455	.135	3.5	-
-01UO	TTXSO-2	20	2	1.216	.386	.416	.126	5.0	224-8336
-02UO	TTXSO-6	20	6	1.216	.506	.546	.219	6.5	225-2192
-03UO	TTXSO-8	20	8	1.216	.587	.633	.284	8.0	225-0963
-04UO	TTXSO-10	20	10	1.216	.627	.675	.322	8.0	226-7408
-05UO	TTXSOW-2	20	2	1.216	.405	.430	.138	5.0	-
-06UO	TTXSOW-6	20	6	1.216	.555	.585	.250	6.5	-
-07UO	TTXSOW-8	20	8	1.216	.600	.635	.302	8.0	-
-08UO	TTXSOW-10	20	10	1.216	.685	.725	.385	8.0	-





Types 2XA0, 2XAOW

MIL-DTL-24640/6

Pairs with Overall Optimized Braid Shield • 600 Volts • Light Weight • Non-Flexing Service • Temp -20°+105° C

Multipair, 19 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Flouride (PVDF) insulation jacket (conductors per SAE-AS81044). Two conductors twisted to form a pair. The required number of pairs cabled consecutively, optional binder tape, overall optimized tinned copper braid shield, optional binder tape, cross-linked Polyolefin jacket, surface marking. 2XAOW: Same construction except 7 strand, Watertight. Pair Identification Code by Method 6.

Military Part No. 24640/6	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01U0	2XA0-2	22	2	.754	.307	.331	.079	4.0	225-0964
-02U0	2XA0-7	22	7	.754	.392	.422	.131	5.0	225-0965
-03U0	2XA0-10	22	10	.754	.475	.511	.175	6.0	224-8337
-04U0	2XA0-18	22	18	.754	.567	.611	.263	7.5	224-8338
-05U0	2XA0-40	22	40	.754	.796	.858	.513	10.5	225-0966
-06U0	2XAOW-2	22	2	.754	.310	.335	.115	4.0	-
-07U0	2XAOW-7	22	7	.754	.395	.425	.135	5.0	-
-08U0	2XAOW-10	22	10	.754	.475	.515	.184	6.0	-
-09U0	2XAOW-18	22	18	.754	.570	.615	.263	7.5	-
-10U0	2XAOW-40	22	40	.754	.800	.860	.495	10.5	-





Types 1XMSO, 1XMSOW MIL-DTL-24640/7

MultiConductor with Overall Optimized Braid Shield • 600 Volts • Light Weight • Non-Flexing Service • Temp -20°+105 °C

Multiconductor, 19 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Flouride (PVDF) insulation jacket (conductors per SAE-AS81044). Individual conductors shielded with tinned copper braid shield, plus tape shield isolation. The required conductors cabled consecutively, optional binder tape, overall optimized tinned copper braid shield, optional binder tape, cross-linked Polyolefin jacket, surface marking. 1XMSOW: Same construction except 7 strand, Watertight. Standard Identification Code by Method 2.

Military Part No. 24640/7	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UO	1XMSO-7	22	7	.754	.344	.370	.116	4.5	226-2650
-02UO	1XMSO-16	22	16	.754	.471	.507	.212	6.0	226-2651
-03UO	1XMSO-70	22	70	.754	.859	.925	.735	11.0	226-7409
-04UO	1XMSOW-7	22	7	.754	.360	.385	.144	4.5	-
-05UO	1XMSOW-16	22	16	.754	.480	.510	.255	6.0	-
-06UO	1XMSOW-70	22	70	.754	.875	.925	.900	11.0	-

Types MXO, MXOW MIL-DTL-24640/8

MultiConductor with Overall Optimized Braid Shield • 600 Volts • Light Weight • Non-Flexing Service • Temp -20°+105 °C

Multiconductor, 19 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Flouride (PVDF) insulation jacket (conductors per SAE-AS81044). Individual conductors cabled consecutively, optional binder tape, overall optimized tinned copper braid shield, optional binder tape, cross-linked Polyolefin jacket, surface marking. MXOW: Same construction except 7 strand, Watertight. Standard Identification Code by Method 1 or 3. If Method 1, then component wire shall be white.

Military Part No. 24640/8	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UO	MXO-10	20	10	1.216	.349	.377	.118	4.5	227-5743
-02UO	MXO-14	20	14	1.216	.380	.410	.147	5.0	224-8339
-03UO	MXOW-10	20	10	1.216	.350	.380	.119	4.5	-
-04UO	MXOW-14	20	14	1.216	.380	.415	.147	5.0	-





SEACOAST

Types 2XS, 2XS0

MIL-DTL-24640/9

Shielded Pairs • 600 Volts • Non-Watertight • Light Weight • Non-Flexing Service • Temp -20°+105° C

Multipair, 19 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Fluoride (PVDF) insulation jacket (conductors per SAE-AS81044). Two conductors twisted to form a pair, optional binder tape, tinned copper braid shield, plus a tape shield isolation. The required number of pairs cabled consecutively, optional binder tape, cross-linked Polyolefin jacket, surface marking. 2XS0: Same construction as 2XS with overall optimized tinned copper braid shield and optional binder tape. Standard Identification Code by Method 2.

Military Part No. 24640/9	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	2XS-2	22	2	.754	.308	.332	.061	3.0	225-0967
-02UN	2XS-3	22	3	.754	.325	.350	.074	3.0	225-2193
-03UN	2XS-7	22	7	.754	.423	.455	.135	4.0	225-0968
-04UN	2XS-10	22	10	.754	.537	.579	.194	5.0	225-0969
-05UN	2XS-14	22	14	.754	.582	.627	.245	5.0	225-1387
-06UN	2XS-19	22	19	.754	.644	.694	.319	5.5	225-3952
-07UN	2XS-24	22	24	.754	.758	.818	.431	6.5	224-9191
-08UN	2XS-30	22	30	.754	.804	.866	.500	7.0	224-9192
-01U0	2XS0-3	22	3	.754	.380	.410	.117	3.0	224-9194
-02U0	2XS0-7	22	7	.754	.474	.510	.190	4.0	224-9195
-03U0	2XS0-10	22	10	.754	.594	.640	.287	5.0	224-9196
-04U0	2XS0-14	22	14	.754	.636	.686	.323	5.0	224-9197
-05U0	2XS0-19	22	19	.754	.709	.765	.423	5.5	224-9198
-06U0	2XS0-30	22	30	.754	.869	.937	.644	7.0	225-2195





Types MXSO, MXSOW

MIL-DTL-24640/10

MultiConductor with Overall Optimized Braid Shield • 600 Volts • Light Weight • Non-Flexing Service • Temp -20°+105°C

Multiconductor, 19 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Flouride (PVDF) insulation jacket (conductors per SAE-AS81044). Individual conductors cabled consecutively, optional binder tape, overall optimized tinned copper braid shield, optional binder tape, cross-linked Polyolefin jacket, surface marking. MXSOW: Same construction except 7 strand, Watertight. Standard Identification Code by Method 1.

Military Part No. 24640/10	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UO	MXSO-2	16	2	2.426	.282	.304	.076	4.0	225-2148
-02UO	MXSO-9	16	9	2.426	.424	.458	.180	5.5	225-2149
-03UO	MXSO-21	16	21	2.426	.552	.596	.329	7.5	225-1377
-04UO	MXSO-37	16	37	2.426	.644	.694	.497	8.5	225-1378
-05UO	MXSOW-2	16	2	2.426	.282	.304	.083	4.0	-
-06UO	MXSOW-9	16	9	2.426	.424	.458	.200	5.5	-
-07UO	MXSOW-21	16	21	2.426	.552	.596	.365	7.5	-
-08UO	MXSOW-37	16	37	2.426	.644	.694	.550	8.5	-





SEACOAST

Type 3XS

MIL-DTL-24640/11

Shielded Triads • 600 Volts • Non-Watertight • Light Weight • Non-Flexing Service • Temp -20°+105°C

Multitriad, 19 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Fluoride (PVDF) insulation jacket (conductors per SAE-AS81044). Three conductors cabled to form a triad, optional binder tape, tinned copper braid shield, plus a tape shield isolation. The required number of triads cabled consecutively, optional binder tape, cross-linked Polyolefin jacket, surface marking. Standard Identification Code by Method 2.

Military Part No. 24640/11	Cable Type Designation	Conductor Size: AWG or MCM	Number of Triads in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	3XS-7	18	7	1.900	.601	.647	.315	8.0	225-2150

Types 2X0

MIL-DTL-24640/12

Pairs with Overall Optimized Braid Shield • 600 Volts • Non-Watertight
Light Weight • Non-Flexing Service • Temp -20°+105°C

Multipair, 19 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Fluoride (PVDF) insulation jacket (conductors per SAE-AS81044). Two conductors twisted to form a pair, the required number of pairs cabled consecutively, optional binder tape, overall optimized tinned copper braid shield, optional binder tape, cross-linked Polyolefin jacket, surface marking. Pair Identification Code by Method 6 or Telephone Identification Code by Method 3. For 2X0-77, if Telephone Code, repeat color codes of pairs 1-11, in sequence, for pairs 67-77.

Military Part No. 24640/12	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01U0	2X0-6	26	6	.304	.305	.329	.082	4.0	225-2196
-02U0	2X0-18	26	18	.304	.417	.449	.140	5.5	225-4904
-03U0	2X0-24	26	24	.304	.473	.509	.175	6.0	224-9199
-04U0	2X0-42	26	42	.304	.565	.609	.275	7.5	224-9200
-05U0	2X0-60	26	60	.304	.641	.691	.334	8.5	225-2197
-06U0	2X0-77	26	77	.304	.728	.785	.395	9.5	225-2198





Types 2XSX0, 2XSXOW

MIL-DTL-24640/13

4 Shielded Pairs with Overall Optimized Braid Shield • 600 Volts
Light Weight • Non-Flexing Service • Temp -20°+105°C

Multipair, 19 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Flouride (PVDF) insulation jacket (conductors per SAE-AS81044). Two conductors twisted to form a pair, optional binder tape, tinned copper braid shield, plus a tape shield isolation. Four pairs cabled, optional binder tape, overall optimized tinned copper braid shield, optional binder tape, cross-linked Polyolefin jacket, surface marking. 2XSXOW: Same construction except 7 strand, Watertight. Standard Identification Code by Method 2.

Military Part No. 24640/13	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01U0	2XSX0-4	26	4	.304	.333	.359	.101	4.5	224-9201
-02U0	2XSXOW-4	26	4	.304	.350	.390	.147	4.5	-

Types 1XSOW

MIL-DTL-24640/14

Shielded Conductor with Overall Optimized Braid Shield • 600 Volts • Watertight
Light Weight • Non-Flexing Service • Temp -20°+105°C

Multiconductor, 7 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Flouride (PVDF) insulation jacket (conductors per SAE-AS81044). Individual conductors shielded with tinned copper braid shield, plus tape shield isolation. The required conductors cabled consecutively, optional binder tape, overall optimized tinned copper braid shield, optional binder tape, cross-linked Polyolefin jacket, surface marking. Standard Identification Code by Method 2.

Military Part No. 24640/14	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01U0	1XSOW-2	22	2	.700	.292	.314	.085	4.0	225-2199
-02U0	1XSOW-14	22	14	.700	.470	.506	.280	6.0	225-2200
-03U0	1XSOW-20	22	20	.700	.542	.584	.333	7.0	231-4589
-04U0	1XSOW-30	22	30	.700	.614	.662	.429	8.0	225-2201





SEACOAST

Types 2XSAW, 2XSAWA, 2XSAOW

MIL-DTL-24640/15

Shielded Pairs • 600 Volts • Watertight • Light Weight • Non-Flexing Service • Temp -20°+105°C

Multipair, 7 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Flouride (PVDF) insulation jacket (conductors per SAE-AS81044). Two conductors twisted to form a pair, optional binder tape, tinned copper braid shield, plus a tape shield isolation. The required number of pairs cabled consecutively, optional binder tape, cross-linked Polyolefin jacket, surface marking. 2XSAWA: Same construction with braided aluminum armor. 2XSAOW: Same construction as 2XSAW with overall optimized tinned copper braid shield and optional binder tape. Standard Identification Code by Method 2.

Military Part No. 24640/15	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	2XSAW-3	22	3	.700	.368	.396	.115	3.5	225-2202
-02UN	2XSAW-7	22	7	.700	.461	.497	.195	4.0	225-2203
-03UN	2XSAW-14	22	14	.700	.641	.691	.390	5.5	225-1394
-01AN	2XSAWA-3	22	3	.700	.418	.456	.148	3.5	224-9202
-02AN	2XSAWA-7	22	7	.700	.511	.557	.244	4.0	224-9203
-03AN	2XSAWA-14	22	14	.700	.691	.751	.446	5.5	225-1395
-01UO	2XSAOW-3	22	3	.700	.405	.437	.160	5.5	225-1396
-02UO	2XSAOW-7	22	7	.700	.510	.550	.260	7.5	225-1397
-03UO	2XSAOW-10	22	10	.700	.631	.681	.385	8.5	224-9204
-04UO	2XSAOW-14	22	14	.700	.689	.743	.465	9.0	225-1398
-05UO	2XSAOW-19	22	19	.700	.757	.817	.627	10.0	225-1399
-06UO	2XSAOW-24	22	24	.700	.884	.952	.800	11.5	225-2204
-07UO	2XSAOW-30	22	30	.700	.941	1.020	.910	12.5	229-8306
-08UO	2XSAOW-37	22	37	.700	1.010	1.090	1.050	13.0	224-8340





Types 2XSW, 2XSOW

MIL-DTL-24640/16

Shielded Pairs • 600 Volts • Watertight • Light Weight • Non-Flexing Service • Temp -20°+105°C

Multipair, 7 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Flouride (PVDF) insulation jacket (conductors per SAE-AS81044). Two conductors twisted to form a pair, tinned copper braid shield, plus a tape shield isolation. The required number of pairs cabled consecutively, optional binder tape, cross-linked Polyolefin jacket, surface marking. 2XSOW: Same construction as 2XSW with overall optimized tinned copper braid shield and optional binder tape. Standard Identification Code by Method 2.

Military Part No. 24640/16	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	2XSW-1	18	1	1.770	.240	.258	.053	2.0	224-8308
-02UN	2XSW-3	18	3	1.770	.436	.470	.175	4.0	224-8309
-03UN	2XSW-7	18	7	1.770	.573	.617	.330	5.0	225-8947
-01UO	2XSOW-3	18	3	1.770	.487	.525	.227	6.5	224-8311
-02UO	2XSOW-7	18	7	1.770	.608	.656	.401	8.0	224-8312
-03UO	2XSOW-12	18	12	1.770	.802	.864	.665	10.5	224-8313
-04UO	2XSOW-19	18	19	1.770	.938	1.010	.950	12.5	224-9181
-05UO	2XSOW-30	18	30	1.770	1.180	1.270	1.442	15.5	225-1376

Types 2XOW

MIL-DTL-24640/17

Pairs with Overall Optimized Braid Shield • 600 Volts • Watertight
Light Weight • Non-Flexing Service • Temp -20°+105°C

Multipair, 7 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Flouride (PVDF) insulation jacket (conductors per SAE-AS81044). Two conductors twisted to form a pair. The required number of pairs cabled consecutively, optional binder tape, overall optimized tinned copper braid shield, binder tape, cross-linked Polyolefin jacket, surface marking. Pair Identification Code by Method 6 or Telephone Identification Code by Method 3. For 2XOW-77 if Telephone Code, repeat color codes of pairs 1-11, in sequence, for pairs 67-77.

Military Part No. 24640/17	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UO	2XOW-6	26	6	.278	.336	.363	.182	4.5	224-8341
-02UO	2XOW-18	26	18	.278	.468	.504	.201	6.0	224-9205
-03UO	2XOW-24	26	24	.278	.546	.588	.266	7.0	225-8952
-04UO	2XOW-42	26	42	.278	.646	.686	.380	8.5	225-8953
-05UO	2XOW-60	26	60	.278	.744	.802	.485	10.5	225-8954
-06UO	2XOW-77	26	77	.278	.840	.906	.615	11.0	225-8955





SEACOAST

Types 3XSW, 3XSOW

MIL-DTL-24640/18

Shielded Triads • 600 Volts • Watertight • Light Weight • Non-Flexing Service • Temp -20°+105 °C

Multitriad, 7 strand tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Flouride (PVDF) insulation jacket (conductors per SAE-AS81044). Three conductors twisted to form a triad, optional binder tape, tinned copper braid shield, plus a tape shield isolation. The required number of triads cabled consecutively, optional binder tape, cross-linked Polyolefin jacket, surface marking. 3XSOW: Same construction as 3XSW with overall optimized tinned copper braid shield and optional binder tape. Standard Identification Code by Method 2.

Military Part No. 24640/18	Cable Type Designation	Conductor Size: AWG or MCM	Number of Triads in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	3XSW-3	18	3	1.770	.472	.508	.205	4.0	225-8949
-02UN	3XSW-7	18	7	1.770	.620	.668	.390	5.5	225-8950
-03UN	3XSW-10	18	10	1.770	.803	.865	.625	7.0	225-4894
-04UN	3XSW-14	18	14	1.770	.873	.941	.775	7.5	225-2660
-01UO	3XSOW-3	18	3	1.770	.519	.559	.271	7.0	224-9182
-02UO	3XSOW-7	18	7	1.770	.659	.711	.475	8.5	224-9183
-03UO	3XSOW-10	18	10	1.770	.835	.901	.730	11.0	224-8314
-04UO	3XSOW-14	18	14	1.770	.898	.968	.880	12.0	224-8315
-05UO	3XSOW-19	18	19	1.770	1.010	1.090	1.150	13.0	224-8316
-06UO	3XSOW-24	18	24	1.770	1.200	1.300	1.607	16.0	224-9184





Types DXW, DXOW

MIL-DTL-24640/19

2 Conductor • 600 Volts • Watertight • Light Weight • Non-Flexing Service with Circuit Integrity • Temp -20° +105 °C

Two conductor, 7 strand coated or uncoated copper conductor, composite tape wrapped insulation consisting of mica-glass, Polyimide tape and Polyimide-FEP tape with Polyimide coating. Two conductors twisted, optional binder tape, cross-linked Polyolefin jacket, surface marking. DXOW: Same construction as DXW with overall optimized tinned copper braid shield and optional binder tape. Standard Identification Code by Method 1 or 3.

Military Part No. 24640/19	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt Per Ft Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	DXW-3	16	2	2.828	.239	.257	.050	2.0	13	12	13	12	224-9185
-02UN	DXW-4	14	2	4.481	.281	.303	.071	2.5	22	20	22	20	224-8317
-01UO	DXOW-3	16	2	2.828	.294	.316	.099	4.0	13	12	13	12	225-2664
-02UO	DXOW-4	14	2	4.481	.328	.354	.125	4.5	22	20	22	20	225-6382

Types TXW, TXOW

MIL-DTL-24640/20

3 Conductor • 600 Volts • Watertight • Light Weight • Non-Flexing Service with Circuit Integrity • Temp -20° +105 °C

Three conductor, 7 strand coated or uncoated copper conductor, composite tape wrapped insulation consisting of mica-glass, Polyimide tape, and Polyimide-FEP tape with Polyimide coating. Three conductors cabled, optional binder tape, cross-linked Polyolefin jacket, surface marking. TXOW: Same construction as TXW with overall optimized tinned copper braid shield and optional binder tape. Standard Identification Code by Method 1 or 3.

Military Part No. 24640/20	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt Per Ft Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	TXW-3	16	3	2.828	.246	.266	.065	3.0	11	10	11	10	255-2665
-02UN	TXW-4	14	3	4.481	.292	.314	.099	3.0	18	17	18	17	225-2151
-01UO	TXOW-3	16	3	2.828	.305	.329	.114	4.0	11	10	11	10	231-7617
-02UO	TXOW-4	14	3	4.481	.343	.369	.148	4.5	18	17	18	17	-





Types FXW, FXOW

MIL-DTL-24640/21

4 Conductor • 600 Volts • Watertight • Light Weight • Non-Flexing Service with Circuit Integrity • Temp -20° +105° C

Four conductor, 7 strand coated or uncoated copper conductor, composite tape wrapped insulation consisting of mica-glass, Polyimide tape and Polyimide-FEP tape with Polyimide coating. Four conductors cabled, optional binder tape, cross-linked Polyolefin jacket, surface marking. FXOW: Same construction as FXW with overall optimized tinned copper braid shield and optional binder tape. Standard Identification Code by Method 1 or 3.

Military Part No. 24640/21	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt Per Ft Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	FXW-3	16	4	2.828	.266	.286	.078	3.0	11	10	11	10	225-2153
-02UN	FXW-4	14	4	4.481	.315	.339	.115	3.0	18	17	18	17	225-2154
-01UO	FXOW-3	16	4	2.828	.324	.350	.132	4.2	11	10	11	10	231-7618
-02UO	FXOW-4	14	4	4.481	.366	.394	.165	5.0	18	17	18	17	374-1201

Types 7XW

MIL-DTL-24640/22

7 Conductor • 600 Volts • Watertight • Light Weight • Non-Flexing Service with Circuit Integrity • Temp -20° +105° C

Seven conductor, 7 strand coated or uncoated copper conductor, composite tape wrapped insulation consisting of mica-glass, Polyimide tape and Polyimide-FEP tape with Polyimide coating. Seven conductors cabled, optional binder tape, cross-linked Polyolefin jacket, surface marking. Standard Identification Code by Method 1 or 3.

Military Part No. 24640/22	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt Per Ft Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)*				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40°C	50°C	40°C	50°C	
-01UN	7XW-3	16	7	2.828	.315	.339	.110	3.0	15/11	14/10	15/11	14/10	224-8321
-02UN	7XW-4	14	7	4.481	.374	.404	.162	3.5	26/14	24/13	26/14	24/13	224-8322

* Individual/Average indicates the maximum current for each conductor (Ind), and the maximum current (Avg) for each conductor when all conductors in the cable are used.





Types MXCW, MXCOW

MIL-DTL-24640/23

MultiConductor • 600 Volts • Watertight • Light Weight • Non-Flexing Service with Circuit Integrity • Temp -20° +105 °C

Multiconductor, 7 strand coated or uncoated copper conductor, composite tape wrapped insulation consisting of mica-glass, Polyimide tape and Polyimide-FEP tape with Polyimide coating. The required number of conductors cabled consecutively, optional binder tape, cross-linked Polyolefin jacket, surface marking. MXCOW: Same construction as MXCW with overall optimized tinned copper braid shield and optional binder tape. Standard Identification Code by Method 1 or 3.

Military Part No. 24640/23	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt Per Ft Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)*				NSN 6145-01
					Min. (inch)	Max. (inch)			DC or 60 Hz Ambient		400 Hz Ambient		
									40 °C	50 °C	40 °C	50 °C	
-01UN	MXCW-7	18	7	1.770	.295	.319	.090	2.5	12/8	9/6	-	-	225-3448
-02UN	MXCW-10	18	10	1.770	.375	.405	.139	3.5	12/8	9/6	-	-	224-8233
-03UN	MXCW-14	18	14	1.770	.402	.434	.173	3.5	12/8	9/6	-	-	225-1381
-04UN	MXCW-19	18	19	1.770	.440	.474	.215	4.0	12/8	9/6	-	-	226-3691
-05UN	MXCW-24	18	24	1.770	.520	.560	.295	4.5	12/6	9/5	-	-	224-8323
-06UN	MXCW-30	18	30	1.770	.547	.589	.340	4.5	12/6	9/5	-	-	225-2155
-07UN	MXCW-37	18	37	1.770	.584	.630	.398	5.0	12/6	9/5	-	-	225-2156
-08UN	MXCW-44	18	44	1.770	.656	.708	.492	5.5	12/5	9/4	-	-	225-2157
-09UN	MXCW-61	18	61	1.770	.729	.785	.640	6.5	12/4.5	9/3.5	-	-	225-2158
-01UO	MXCOW-7	18	7	1.770	.340	.366	.140	4.5	12/8	9/6	-	-	227-9946
-02UO	MXCOW-10	18	10	1.770	.415	.447	.185	5.5	12/8	9/6	-	-	229-0031
-03UO	MXCOW-14	18	14	1.770	.440	.474	.225	6.0	12/8	9/6	-	-	225-3450
-04UO	MXCOW-19	18	19	1.770	.477	.515	.280	6.5	12/8	9/6	-	-	225-3451
-05UO	MXCOW-24	18	24	1.770	.557	.601	.362	7.5	12/6	9/5	-	-	225-2161
-06UO	MXCOW-30	18	30	1.770	.584	.630	.399	7.5	12/6	9/5	-	-	225-2162
-07UO	MXCOW-37	18	37	1.770	.622	.670	.466	8.0	12/6	9/5	-	-	225-2163
-08UO	MXCOW-44	18	44	1.770	.697	.751	.574	9.0	12/5	9/4	-	-	225-2164
-09UO	MXCOW-61	18	61	1.770	.757	.817	.715	10.0	12/4.5	9/3.5	-	-	225-2165

* Individual/Average indicates the maximum current for each conductor (Ind), and the maximum current (Avg) for each conductor when all conductors in the cable are used.



SEACOAST

Types TTXW, TTXOW

MIL-DTL-24640/24

Pairs • 600 Volts • Watertight • Light Weight • Non-Flexing Service with Circuit Integrity • Temp -20°+105° C

Multipair, 7 strand coated or uncoated copper conductor, composite tape wrapped insulation consisting of mica-glass, Polyimide tape and Polyimide-FEP tape with Polyimide coating. Two conductors twisted to form a pair, (Type 1½ is three conductors to form a triad.) The required number of pairs cabled consecutively, optional binder tape, cross-linked Polyolefin jacket, surface marking. TTXOW: Same construction as TTXW with overall optimized tinned copper braid shield and optional binder tape. Telephone Identification Code by Method 3 or 6. Pair Identification Code by Method 6 (black/white conductor except Type -1½ use black/white/red).

Military Part No. 24640/24	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter		Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	NSN 6145-01
					Min. (inch)	Max. (inch)			
-01UN	TTXW-1 ½	22	1 ½	.700	.181	.195	.026	1.5	225-2205
-02UN	TTXW-3	22	3	.700	.285	.307	.062	2.5	225-2206
-03UN	TTXW-5	22	5	.700	.331	.357	.091	3.0	225-2207
-04UN	TTXW-10	22	10	.700	.456	.492	.172	4.0	225-2208
-05UN	TTXW-15	22	15	.700	.527	.569	.235	4.5	225-2209
-06UN	TTXW-20	22	20	.700	.577	.621	.285	5.0	225-9664
-07UN	TTXW-30	22	30	.700	.684	.738	.417	6.0	237-1289
-08UN	TTXW-40	22	40	.700	.790	.852	.544	7.0	226-6028
-01UO	TTXOW-1 ½	22	1 ½	.700	.253	.273	.068	3.5	226-8808
-02UO	TTXOW-3	22	3	.700	.333	.359	.108	4.5	228-4262
-03UO	TTXOW-5	22	5	.700	.376	.406	.134	5.0	237-1290
-04UO	TTXOW-15	22	15	.700	.556	.600	.299	7.5	231-3926
-05UO	TTXOW-20	22	20	.700	.614	.662	.371	8.0	226-8809
-06UO	TTXOW-30	22	30	.700	.717	.772	.497	9.5	229-0032
-07UO	TTXOW-40	22	40	.700	.823	.887	.631	11.0	226-4565





Types 9XS

MIL-DTL-24640/25

4 Twisted Pairs Plus 1 Conductor with Overall Optimized Braid Shield • 600 Volts
Non-Watertight • Non-Flexing Service • Temp -20° +105° C

Stranded tinned copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Fluoride (PVDF) insulation jacket (conductors per SAE-AS81044). Two conductors twisted to form a pair. Four pairs cabled with one single conductor, optional binder tape, overall optimized tinned copper braid shield, optional binder tape, cross-linked Polyolefin jacket, surface marking. Special Identification Code per Mil Spec M24640/25 Table II.

Military Part No. 24640/25	Cable Type Designation	Conductor Size: AWG or MCM	Conductor Resistance	Component Wire	Pair Lay (inch)	Cable Lay (inch)	Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	Cable Overall Diameter	
									Min. (inch)	Max. (inch)
-01U0	9XS-12	12	2.02	SAE-AS81044/12	2.50±0.25	7.5±1.0	.440	5	.625	.675
-02U0	9XS-10	10	1.26	SAE-AS81044/9	3.50±0.50	9.5±1.0	.567	7	.845	.905
-03U0	9XS-8	8	0.701	SAE-AS81044/9	5.50±0.50	12.5±1.0	.897	10	1.200	1.300

Types 5X0

MIL-DTL-24640/26

5 Conductor with Overall Optimized Braid Shield • 600 Volts • Non-Watertight
Light Weight • Non-Flexing Service • Temp -20° +105° C

Stranded tinned coated copper conductor, extruded irradiation cross-linked Polyalkene insulation with irradiated cross-linked Polyvinylidene Fluoride (PVDF) insulation jacket (conductors per SAE-AS81044). Five conductors cabled, optional binder tape, overall optimized tinned copper braid shield, cross-linked Polyolefin jacket, surface marking. Special Identification Code per Mil Spec M24640/26, Table II.

Military Part No. 24640/26	Cable Type Designation	Conductor Size: AWG or MCM	Conductor Resistance	Component Wire	Cable Wt. Per Ft Max. (lbs)	Radius of Bend Min. (inch)	Cable Overall Diameter	
							Min. (inch)	Max. (inch)
-01U0	5X0-3	16	4.98	SAE-AS81044/12	.100	2.0	.300	.330
-02U0	5X0-4	14	3.18	SAE-AS81044/12	.142	2.5	.340	.370
-03U0	5X0-6	12	2.02	SAE-AS81044/12	.189	3.0	.375	.410



Submarine Song



“Down, Down Underneath the Ocean”

Take her down and softly glide,
Thru the deep blue underneath the ocean.

We'll control the ocean wide
from down, down underneath the sea.

Torpedoes crash and missiles roar,
that's the music underneath the ocean

From down below we'll up the score
Of the ships on the bottom of the sea.

Satan's hosts will pass the word,
in the future yet to be

That we're safe as long as there's
a submariner underneath the sea

So rig for dive and take her down
Go Down, Down Underneath the Ocean,

Fearless men will find renown
in the deep blue underneath the sea.





MIL-DTL
- 9'15

M-915

MIL-DTL-915

MIL-DTL-915 are military shipboard electrical cables. These cables are designed for special applications. Unlike their newer counterparts MIL-DTL-24640 and MIL-DTL-24643, the MIL-DTL-915 series of cables are not low smoke, zero halogen. These M915 cables, often used on submarines, are not suitable for Inboard Use. They are for Outboard Use only.



ITEM	PG #	SHORT DESCRIPTION
DSS	p.87	Two Conductor, Shielded, Watertight, Flexing Service. Rubber insulation, overall braided shield, Chlorosulfonated Polyethylene jacket or Polychloroprene jacket.
DSWS	p.86	Two Conductor, Shielded, Watertight, Flexing Service and high voltage. Rubber insulation, overall braided shield, Polychloroprene jacket.
FSS	p.87	Four Conductor, Shielded, Watertight, Flexing Service. Rubber insulation, overall braided shield, Chlorosulfonated Polyethylene jacket or Polychloroprene jacket.
JAS	p.88	Jet Aircraft Servicing: Four conductor, Non-Watertight, Flexing Service. Rubber insulation, two conductors size 250, two conductors size 12, reinforced Polychloroprene jacket.
MCSF	p.88	Multiconductor, Watertight, Flexing Service. Two 6 AWG and two 1 AWG high strength Bronze conductors. Rubber insulation, rubber fillers, reinforced Polychloroprene jacket.
MSP	p.93	Same as MSPW, except Non-Watertight construction.
MSPW	p.92	Fifty-nine Conductor, Shielded single conductors, pairs and triads in a composite finished cable. Watertight, Non-Flexing Service. Polychloroprene jacket over complete assembly.
MWF	p.91	Multiconductor, Watertight, Flexing Service. Rubber or cross-linked Polyethylene insulation, Neoprene jacket.
THOF	p.86	Three Conductor, Heat and Oil Resistant, Non-Watertight, Flexing Service. Rubber insulation, Polyvinyl chloride or Polychloroprene jacket.
TSP	p.89	Twisted Pair, Watertight, Non-Flexing Service. Polyvinyl chloride insulated, Polyvinyl chloride jacket.
TSPA	p.89	Same as TSP, except with braided metal armor.
TSS	p.87	Three Conductor, Shielded, Watertight, Flexing Service. Rubber insulation, overall braided shield, Chlorosulfonated Polyethylene jacket or Polychloroprene jacket.
1PR-A20E	p.93	Twisted Pair, Watertight, Non-Flexing Service. Polyethylene copolymer jacket.
1SWF	p.89	Singles, Shielded, Watertight, Flexing Service. Polyethylene insulation, braided shield over each conductor, Polychloroprene jacket.
2SWF	p.90	Pairs, Shielded, Watertight, Flexing Service. Polyethylene insulation, braided shield over each pair, Polychloroprene jacket.
7SS	p.87	Seven Conductor, Shielded, Watertight, Flexing Service. Rubber insulation, overall braided shield and Chlorosulfonated Polyethylene jacket or Polychloroprene jacket.



SEACOAST

Types THOF

MIL-DTL-915/6

3 Conductor • 600 Volts • Non-Watertight • Flexing Service

Stranded uncoated copper conductor, separator, Ethylene Propylene rubber insulation. Standard Identification Code by Method 3 or 4. Three conductors cabled with fibrous fillers and binder tape. Jacket of black Polychloroprene.

Military Part No. M915/6	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
915/6	THOF-400	400	3	413.500	2.800	5.950	22.0	400	365	315	265	-
915/6	THOF-500	500	3	500.000	3.100	7.100	25.0	500	450	350	275	008-5468

Type DSWS

MIL-DTL-915/7

2 Conductor • High Voltage • Shielded • Watertight • Flexing Service

Stranded coated copper conductor, synthetic rubber insulation. Standard Identification Code by Method 3. Optional clear Polyamide covering. Two conductors cabled with separable fillers of synthetic rubber like compound, binder tape, tin-coated shielding braid, black jacket of synthetic rubber plus Polychloroprene or other suitable compound to meet electrical requirements, surface marking.

Military Part No. M915/7	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
915/7	DSWS-4	14	2	4.110	0.800	0.050	3.0	-	-	-	-	776-8513





Types DSS, TSS, FSS, 7SS MIL-DTL-915/8

2 Through 7 Conductor with Overall Shield • 600 Volts • Watertight • Flexing Service

Stranded tin-coated copper conductor, synthetic rubber insulation. Special Identification Code by Method 3. The required number of conductors cabled with removable rubber fillers, removable synthetic rubber belt, braided tin-coated copper shield, black jacket of Polychloroprene or Chlorosulfonated Polyethylene, surface marking.

Military Part No. M915/8	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
915/8	DSS-2	18	2	1.620	.390	.120	1.0	6	5	-	-	914-9973
915/8	DSS-3	16	2	2.580	.500	.160	1.5	9	8	-	-	912-2616
915/8	DSS-4	14	2	4.110	.500	.180	1.5	13	11	-	-	913-2401
915/8	TSS-2	18	3	1.620	.400	.140	1.0	6	5	-	-	162-2600
915/8	TSS-3	16	3	2.580	.500	.180	1.5	9	8	-	-	159-8619
915/8	TSS-4	14	3	4.110	.500	.200	1.5	13	11	-	-	905-6795
915/8	FSS-2	18	4	1.620	.500	.180	1.5	5	4	-	-	913-2404
915/8	FSS-3	16	4	2.580	.500	.210	1.5	8	7	-	-	159-6655
915/8	FSS-4	14	4	4.110	.625	.240	2.0	13	11	-	-	985-7843
915/8	7SS-2	18	7	1.620	.625	.185	1.5	-	-	-	-	905-6797





Type JAS, (Jet Aircraft Servicing)

MIL-DTL-915/9

4 Conductor • 600 Volts • Non -Watertight • Flexing Service

Stranded uncoated copper conductor, separator, synthetic rubber insulation. Two conductors size 250 MCM with Standard Identification Code by Method 3 or by optional tape or braid. Two conductors AWG size 12 with marker braid, Standard Identification Code by Method 4, cabled with fillers. The two larger conductors laid parallel, the twisted pair of smaller conductors between them, fillers, nylon reinforcement, black Polychloroprene jacket, surface marking.

Military Part No. M915/9	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
915/9	JAS-250	12	2	6.530	1.260	0.917	10.0	-	-	-	-	753-2264
-	-	250	2	250.000	2.480	-	20.0	-	-	-	-	-

Type MCSF

MIL-DTL-915/10

4 Conductor • 600 Volts • Watertight • Flexing Service

Four sealed, uncoated stranded bronze conductors, two each of AWG sizes #6 and #1, separator tape, synthetic rubber insulation, color code one black and one white, clear Polyamide insulation jacket. One black and one white of each size, the four conductors cabled with filler, binder, optional barrier, black Polychloroprene jacket, surface marking.

Military Part No. M915/10	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
915/10	MCSF-4	6	2	26.240	1.500	1.625	12.0	-	-	-	-	802-2059
-	-	1	2	83.690	-	-	-	-	-	-	-	-





Types TSP, TSPA

MIL-DTL-915/22

11 & 31 Pairs • 300 Volts • Watertight • Non-Flexing Service

Stranded tin-coated copper conductor, PVC insulation (80°C). Telephone Identification Code by Method 3. Two conductors cabled together to form a pair. Required number of pairs cabled consecutively with non-fibrous fillers, binder tape, gray thermoplastic jacket, surface marking. TSPA: same construction as TSP except with braided metal armor.

Military Part No. M915/22	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max) *				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
915/22	TSP-11	22	11	.642	0.730	.275	4.5	4/1	3/0.5	-	-	916-7217
915/22	TSP-31	22	31	.642	1.062	.611	6.5	4/1	3/0.5	-	-	940-8711
915/22	TSPA-11	22	11	.642	0.780	.310	4.0	-	-	-	-	156-9581
915/22	TSPA-31	22	31	.642	1.112	.650	6.5	-	-	-	-	155-8741

* Individual/Average indicates the maximum current for each conductor (Ind), and the maximum current (Avg) for each conductor when all conductors in the cable are used.

Type 1SWF

MIL-DTL-915/47

2 Shielded Singles • 300 Volts • Watertight • Flexing Service

Stranded uncoated copper conductor, Polyethylene insulation, uncoated copper braided shield, shield insulation of Polyester tape plus clear Polyamide jacket or two sealed Polyester tapes. Standard Identification Code by Method 2, one black and one white conductor cabled with non-fibrous fillers, binder tape, arctic type black Polychloroprene jacket, surface marking.

Military Part No. M915/47	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
915/47	1SWF-2	22	2	0.642	0.625	0.188	2.0	-	-	-	-	051-4825





SEACOAST

Types 2SWF MIL-DTL-915/48

3, 4, 7 & 24 Shielded Pairs • 300 Volts • Watertight • Flexing Service

Stranded tin-coated copper conductor, Polyethylene insulation, clear Polyamide jacket, one black and one white conductor cabled to form a pair. Optional binder, braided tin-coated copper shield, shield insulation of Polyester tape plus clear Polyamide jacket or two sealed Polyester tapes. Standard Identification Code by Method 2. The required numbers of shielded pairs cabled consecutively, non-fibrous fillers, synthetic rubber compound filled binder tape, arctic type black Polychloroprene jacket, surface marking.

Military Part No. M915/48	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
915/48	2SWF-3	22	3	0.642	.625	.200	2.0	-	-	-	-	158-6329
915/48	2SWF-4	22	4	0.642	.625	.211	2.0	-	-	-	-	985-7926
915/48	2SWF-7	22	7	0.642	.815	.366	2.5	-	-	-	-	964-4662
915/48	2SWF-24	22	24	0.642	1.250	.620	7.5	-	-	-	-	-





Types MWF MIL-DTL-915/58

7 Through 37 Conductor • 600 Volts • Watertight • Flexing Service

Stranded tin-coated copper conductor, synthetic rubber or cross-linked Polyethylene insulation, clear Polyamide jacket. Standard Identification Code by Method 1. The required number of conductors cabled consecutively with non-fibrous fillers, binder tape, arctic type black Neoprene jacket, surface marking.

Military Part No. M915/58	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
915/58	MWF-7	18	7	1.620	.500	.145	1.5	-	-	-	-	995-2543
915/58	MWF-10	18	10	1.620	.635	.230	2.0	-	-	-	-	162-4794
915/58	MWF-14	18	14	1.620	.635	.250	2.0	-	-	-	-	985-8320
915/58	MWF-19	18	19	1.620	.745	.350	2.5	-	-	-	-	983-8639
915/58	MWF-24	18	24	1.620	.836	.430	2.5	-	-	-	-	985-8318
915/58	MWF-30	18	30	1.620	.945	.550	3.0	-	-	-	-	084-1342
915/58	MWF-37	18	37	1.620	1.045	.680	3.5	-	-	-	-	154-4373





SEACOAST

Type MSPW MIL-DTL-915/66

59 Conductor (8 Shielded Pairs, 3 Shielded Triads, 34 Shielded Singles) • Watertight • Non-Flexing Service

Sixteen conductors size 22-7: Stranded tin-coated copper conductor, Fluoropolymer resin insulation, braided copper shield, shield insulation of white Polyester tape plus transparent Polyamide jacket or one white and one yellow sealed Polyester tape. Standard Identification Code (#12-29) by Method 2.

Eighteen conductors size 20-7: Stranded tin-coated copper conductor, white PVC insulation (105° C), clear Polyamide jacket, braided shield of tin-coated copper, shield insulation of Polyester tape plus clear Polyamide jacket or two sealed Polyester tapes. Standard Identification Code (#12-29) by Method 2.

Twenty-five conductors size 16-7: Stranded tin-coated copper conductor, black, white or red PVC insulation, clear Polyamide jacket. Conductor cabled to form 8 pairs (black-white) and 3 triads (black-white-red). Braided shield of tin-coated copper over each pair and triad, shield insulation of Polyester tape plus clear Polyamide jacket or two sealed Polyester tapes. Standard Identification Code (pairs numbered 4-11, triads 1-3) by Method 2.

Assembly: Core of solid Polychloroprene filler, non-fibrous fillers throughout, inner layer of shielded triads 1-3, triad of conductors 12-14, single conductor 15-18. Binder tape. Middle layer of 8 shielded pairs 4-11, 3 pairs of conductors 19-20, 21-22, 23-24. Binder tape. Outer layer of single conductor 25-45 cabled consecutively. Binder tape. Black Polychloroprene jacket, surface marking.

Military Part No. M915/66	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
915/66	MSPW	22	16	0.642	1.635	1.500	10.5	-	-	-	-	791-3233
-	-	20	18	1.020	-	-	-	-	-	-	-	-
-	-	16	25	2.580	-	-	-	-	-	-	-	-





Type MSP

MIL-DTL-915/67

59 Conductor (8 Shielded Pairs, 3 Shielded Triads, 34 Shielded Singles) • Non-Watertight • Non-Flexing Service

Identical in all respects to Type MSPW except non-watertight construction without non-fibrous fillers.

Military Part No. M915/67	Cable Type Designation	Conductor Size: AWG or MCM	Number of Conductors in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
915/67	MSP	22	16	0.642	1.635	1.500	10.5	-	-	-	-	791-3234
-	-	20	18	1.020	-	-	-	-	-	-	-	-
-	-	18	25	2.580	-	-	-	-	-	-	-	-

Type 1PR-A20E

MIL-DTL-915/81

1 Twisted Pair • Watertight • Non-Flexing Service

Stranded silver coated high strength copper alloy conductor. Ethylene Tetrafluoroethylene (TEFZEL) insulation, clear natural Polyethylene insulation jacket, one white and one red twisted to form a pair. Black Polyethylene copolymer jacket.

Military Part No. M915/81	Cable Type Designation	Conductor Size: AWG or MCM	Number of Pairs in Cable	Area of Each Conductor (MCM)	Cable Overall Diameter Max. (inch)	Cable Weight Per Foot Max. (lbs)	Radius of Bend Min. (inch)	Ampacity, Each Conductor (Amps, Max)				NSN 6145-01
								DC or 60 Hz Ambient		400 Hz Ambient		
								40°C	50°C	40°C	50°C	
915/81	1PR-A20E	20	1	1.020	.290	-	-	-	-	-	-	-





Common Phrase of Navy Origin



“**KNOW THE ROPES**”

This was a phrase printed on a seaman’s discharge papers to indicate he knew the functions of all the rope lines on the ship.



We **Know the Ropes**. Seacoast has been in business for 70 years working with the military and government contractors.



MIL-DTL -17/RG



MIL-DTL- 17/RG

MIL-DTL-17 has been the definitive specification since the 1940's for coaxial, triaxial and other high performance radio frequency cables. M17/RG cables have since been widely adopted for commercial and military applications.

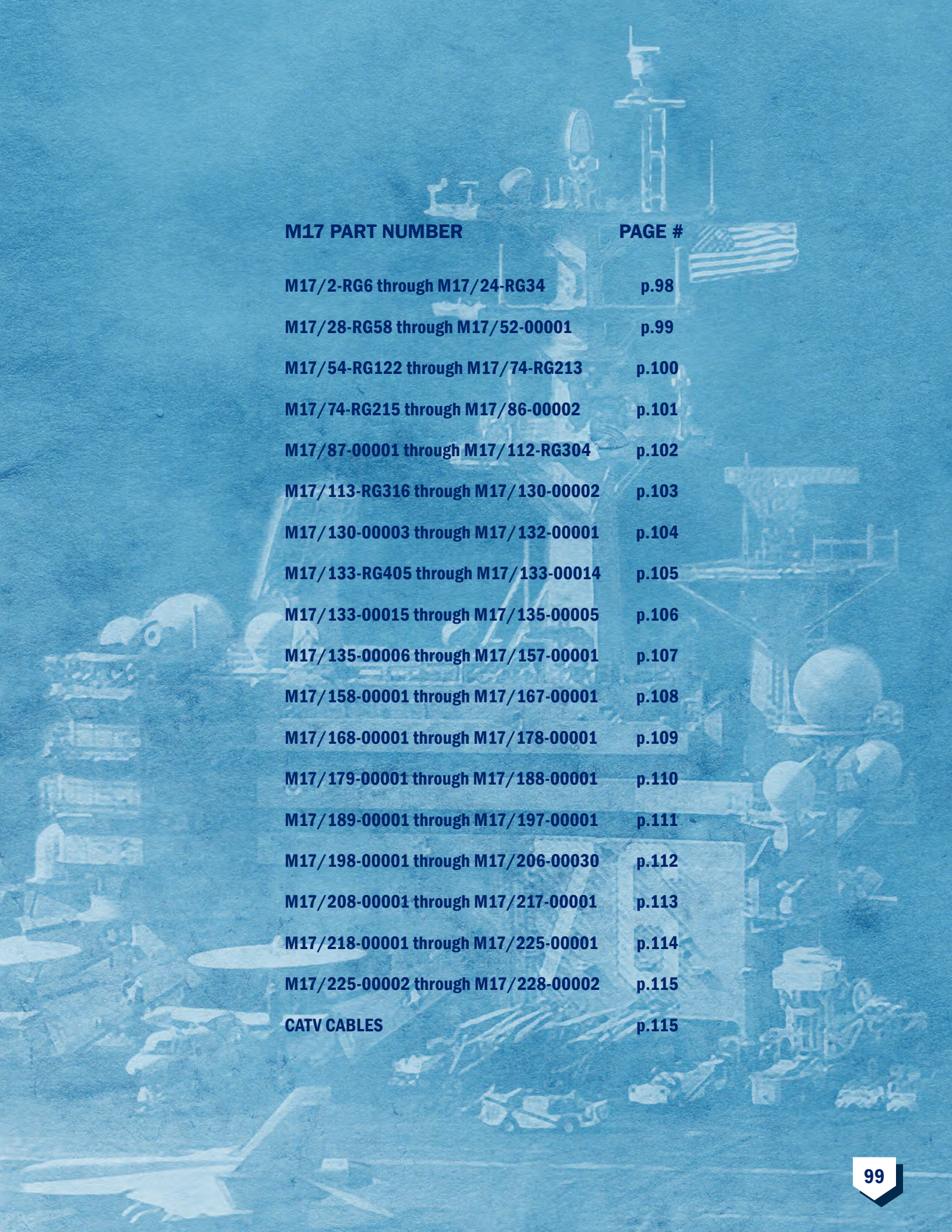
RG type part numbers have been superseded by the M17 specification part numbers. US Navy shipboard cables are low smoke, zero halogen constructions with part numbers from M17/180 through M17/229.



SEACOAST - M17

SEACOAST - M17

MIL-DTL-17/RG



M17 PART NUMBER	PAGE #
M17/2-RG6 through M17/24-RG34	p.98
M17/28-RG58 through M17/52-00001	p.99
M17/54-RG122 through M17/74-RG213	p.100
M17/74-RG215 through M17/86-00002	p.101
M17/87-00001 through M17/112-RG304	p.102
M17/113-RG316 through M17/130-00002	p.103
M17/130-00003 through M17/132-00001	p.104
M17/133-RG405 through M17/133-00014	p.105
M17/133-00015 through M17/135-00005	p.106
M17/135-00006 through M17/157-00001	p.107
M17/158-00001 through M17/167-00001	p.108
M17/168-00001 through M17/178-00001	p.109
M17/179-00001 through M17/188-00001	p.110
M17/189-00001 through M17/197-00001	p.111
M17/198-00001 through M17/206-00030	p.112
M17/208-00001 through M17/217-00001	p.113
M17/218-00001 through M17/225-00001	p.114
M17/225-00002 through M17/228-00002	p.115
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SEACOAST

RG CABLES MIL-C-17

Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/2-RG6	CCS 0.0285 (0.724)	PE 0.185 (4.70)	34SC-34BC 0.264 (6.71)	PVC-IIA 0.332 (8.43)	NA	0.082 (0.122)	75±3 (66)	22.0 (72.2)	3,000	-40+185 (-40+85)	Use M17/180-00001 LS/LT Jacket
M17/6-RG11	TC 7/.0159 0.0477 (1.21)	PE 0.285 (7.24)	33BC 0.340 (8.64)	PVC-IIA 0.405 (10.29)	NA	0.098 (0.146)	75±3 (66)	22.0 (72.2)	5,000	-40+185 (-40+85)	Use M17/181-00001 LS/LT Jacket
M17/6-RG12	TC 7/.0159 0.0477 (1.21)	PE 0.285 (7.24)	33BC 0.340 (8.64)	PVC-IIA 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.144 (0.214)	75±3 (66)	22.0 (72.2)	5,000	-40+185 (-40+85)	Use M17/181-00002 LS/LT Jacket
M17/15-RG22	2-BC 7/.0152 0.0456 (1.16)	PE 0.285 (7.24)	34TC:34TC 0.355 (9.02)	PVC-IIA 0.420 (10.67)	NA	0.134 (0.199)	95±5 (66)	17.4 (57.1)	N/A	-40+185 (-40+85)	Use M17/182-00001 LS/LT Jacket
M17/15-RG111	2-BC 7/.0152 0.0456 (1.16)	PE 0.285 (7.24)	34TC:34TC 0.355 (9.02)	PVC-IIA 0.420 (10.67)	Alum. Braid 0.490 (12.45)	0.161 (0.240)	95±5 (66)	17.4 (57.1)	N/A	-40+185 (-40+85)	Use M17/182-00002 LS/LT Jacket
M17/16-RG23	2-BC 7/.0285 0.0855 (2.17)	PE: 2 cores 0.380 (9.65)	34BC:34BC 0.407x.826 (10.3x21.0)	PVC-IIA .650 x .945 (16.5 x 24.0)	NA	0.530 (0.789)	125±5 (66)	13.0 (42.7)	7,000	-40+185 (-40+85)	Inactive for New Design
M17/16-RG24	2-BC 7/.0285 0.0855 (2.17)	PE: 2 cores 0.380 (9.65)	34BC:34BC 0.407x.826 (10.3x21.0)	PVC-IIA .650 x .945 (16.5 x 24.0)	Alum. Braid .735 x 1.034 (18.7 x 26.3)	0.730 (1.086)	125±5 (66)	13.0 (42.7)	7,000	-40+185 (-40+85)	Inactive for New Design
M17/19-RG25	TC 19/.0117 0.0585 (1.49)	Rubber-E 0.288 (7.32)	34TC-34TC 0.398 (10.11)	Rubber-IV 0.505 (12.83)	NA	0.225 (0.335)	48±4 (42)	50.0 (164.0)	10,000	-67+194 (-55+90)	Triaxial Pulse Cable
M17/21-RG26	TC 19/.0117 0.0585 (1.49)	Rubber-E 0.288 (7.32)	34TC 0.330 (8.38)	Rubber-IV 0.425 (10.80)	Alum. Braid 0.505 (12.83)	0.210 (0.313)	48±4 (42)	55.0 (180.4)	10,000	-40+185 (-40+85)	Coaxial Pulse Cable Armored
M17/22-RG27	TC 19/.0185 0.0925 (2.35)	Rubber-D 0.455 (11.56)	34TC 0.500 (12.70)	Rubber-IV 0.595 (15.11)	Alum. Braid 0.670 (17.02)	0.330 (0.491)	48±4 (42)	55.0 (180.4)	15,000	-40+185 (-40+85)	Coaxial Pulse Cable Armored
M17/22-00001	TC 19/.0185 0.0925 (2.35)	Rubber-D 0.455 (11.56)	34TC 0.500 (12.70)	Rubber-IV 0.595 (15.11)	NA	0.330 (0.491)	48±4 (42)	55.0 (180.4)	15,000	-40+185 (-40+85)	Coaxial Pulse Cable
M17/24-RG34	BC 7/.0249 0.0747 (1.90)	PE 0.460 (11.68)	33BC 0.535 (13.59)	PVC-IIA 0.630 (16.00)	NA	0.231 (0.344)	75±3 (66)	22.0 (72.2)	6,500	-40+185 (-40+85)	-





RG CABLES MIL-C-17

Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/28-RG58	TC 19/.0072 0.0355 (0.09)	PE 0.116 (2.95)	36TC 0.150 (3.81)	PVC-IIA 0.195 (4.95)	NA	0.026 (0.039)	50±2 (66)	32.2 (105.6)	1,900	-40+185 (-40+85)	Use M17/183-00001 LS/LT Jacket
M17/29-RG59	CCS 0.0226 (0.57)	PE 0.145 (3.68)	34BC 0.191 (4.85)	PVC-IIA 0.242 (6.15)	NA	0.035 (0.052)	75±3 (66)	22.0 (72.2)	2,300	-40+185 (-40+85)	Use M17/184-00001 LS/LT Jacket
M17/30-RG62	CCS 0.0253 (0.64)	Air-spaced PE 0.146 (3.71)	34BC 0.191 (4.85)	PVC-IIA 0.242 (6.15)	NA	0.038 (0.057)	93±5 (81)	14.5 (47.6)	N/A	-40+176 (-40+80)	Use M17/185-00001 LS/LT Jacket
M17/31-RG63	CCS 0.0253 (0.64)	Air-spaced PE 0.285 (7.24)	33BC 0.340 (8.64)	PVC-IIA 0.405 (10.29)	NA	0.088 (0.131)	125±6 (86)	11.0 (36.1)	-	-40+176 (-40+80)	Use M17/218-00001 LS/LT Jacket
M17/31-RG79	CCS 0.0253 (0.64)	Air-spaced PE 0.285 (7.24)	33BC 0.340 (8.64)	PVC-IIA 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.138 (0.205)	125±5 (81)	11.0 (36.1)	-	-40+176 (-40+80)	Use M17/218-00002 LS/LT Jacket
M17/33-RG64	TC 1 19/.0117 0.0585 (1.49)	Rubber-E 0.288 (7.32)	34TC:34TC 0.368 (9.35)	Rubber-IV 0.460 (11.43)	NA	0.220 (0.327)	48±4 (42)	55.0 (180.4)	10,000	-40+185 (-40+85)	Coaxial Pulse Cable
M17/34-RG65	0.008 MW Helix 0.1280 (3.25)	PE 0.285 (7.24)	33BC 0.340 (8.64)	PVC-IIA 0.405 (10.29)	NA	0.110 (0.164)	950±50	48.0 (157.5)	1,500	-40+176 (-40+80)	Coaxial Delay Line 0.15 uSec/ft
M17/45-RG108	2:TC 7/.0126 0.0378 (0.96)	PE (2 cores) 0.079 (2.01)	36TC 0.177 (4.50)	PVC-IIA 0.235 (5.97)	NA	0.035 (0.052)	78±7 (68)	24.5 (80.4)	N/A	-40+185 (-40+85)	Use M17/186-00001 LS/LT Jacket
M17/47-RG114	CCS 0.007 (0.18)	Air-spaced PE 0.285 (7.24)	34BC 0.340 (8.64)	PVC-IIA 0.405 (10.29)	NA	0.089 (.133)	185±10 (85)	7.2 (23.6)	N/A	-40+176 (-40+80)	Use M17/208-00001 LS/LT Jacket
M17/52-RG119	BC 0.1019 (2.59)	PTFE 0.332 (8.43)	33BC:34BC 0.414 (10.52)	FG Braid-V 0.465 (11.81)	NA	0.228 (0.339)	50±2 (69.5)	29.3 (96.1)	6,000	-67+392 (-55+200)	High Power Coax
M17/52-RG120	BC 0.1019 (2.59)	PTFE 0.332 (8.43)	33BC:34BC 0.414 (10.52)	FG Braid-V 0.465 (11.81)	Alum. Braid 0.525 (13.34)	0.286 (0.426)	50±2 (69.5)	29.3 (96.1)	6,000	-67+392 (-55+200)	Armored M17/52- RG119
M17/52-00001	BC 0.1019 (2.59)	PTFE 0.332 (8.43)	33SC:33SC 0.414 (10.52)	FG Braid-V 0.465 (11.81)	NA	0.228 (0.339)	50±2 (69.5)	29.3 (96.1)	6,000	-67+392 (-55+200)	High Frequency M17/52- RG119





SEACOAST

RG CABLES MIL-C-17

Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/54-RG122	TC 27/.005 0.0308 (0.78)	PE 0.096 (2.44)	36TC:36TC 0.126 (3.20)	PVC-IIA 0.160 (4.06)	NA	0.021 (0.031)	50±2 (66)	32.2 (105.6)	1,900	-40+185 (-40+85)	Use M17/187-00001 LS/LT Jacket
M17/56-RG130	2:BC 7/.0285 0.0855 (2.17)	PE 0.472 (12.00)	30TC 0.540 (13.71)	PVC-IIA 0.625 (15.88)	NA	0.300 (0.447)	95±5 (66)	19.0 (62.3)	3,000	-40+185 (-40+85)	Balanced Shielded Line
M17/56-RG131	2:BC 7/.0285 0.0855 (2.17)	PE 0.472 (12.00)	30TC 0.540 (13.71)	PVC-IIA 0.625 (15.88)	Alum. Braid 0.710 (18.03)	0.400 (0.595)	95±5 (66)	19.0 (62.3)	3,000	-40+185 (-40+85)	Armored M17/56-RG130
M17/60-RG142	SCCS 0.037 (0.94)	PTFE 0.116 (2.95)	36SC:36SC 0.171 (4.34)	FEP-IX 0.195 (4.95)	NA	0.043 (0.064)	50±2 (69.5)	29.3 (96.1)	1,900	-67+392 (-55+200)	Space Loss High Temperature Coax
M17/62-RG144	SCCS 7/.0175 0.0525 (1.33)	PTFE 0.285 (7.24)	34SC 0.330 (8.38)	FG Braid-V 0.410 (10.41)	NA	0.140 (0.208)	75±3 (69.5)	22.0 (72.2)	5,000	-67+392 (-55+200)	75 ohm Low Loss High Temperature Coax
M17/64-RG35	BC 0.1045 (2.65)	PE 0.680 (17.27)	30BC 0.760 (19.30)	PVC-IIA 0.870 (22.10)	Alum. Braid 0.945 (24.00)	0.545 (0.811)	75±3 (66)	22.0 (72.2)	10,000	-40+185 (-40+85)	Armored M17/209-00001
M17/64-RG164	BC 0.1045 (2.65)	PE 0.680 (17.27)	30BC 0.760 (19.30)	PVC-IIA 0.870 (22.10)	NA	0.505 (0.752)	75±3 (66)	22.0 (72.2)	10,000	-40+185 (-40+85)	Use M17/209-0001 LS/LT Jacket
M17/65-RG165	SC 7/.0315 0.094 (2.39)	PTFE 0.285 (7.24)	34SC 0.340 (8.64)	FG Braid-V 0.410 (10.41)	NA	0.142 (0.211)	50±2 (69.5)	29.3 (96.1)	2,500	-67+482 (-55+250)	-
M17/65-RG166	SC 7/.0315 0.094 (2.39)	PTFE 0.285 (7.24)	34SC 0.340 (8.64)	FG Braid-V 0.410 (10.41)	Alum. Braid 0.470 (11.90)	0.189 (0.281)	50±2 (69.5)	29.3 (96.1)	2,500	-67+482 (-55+250)	Armored M17/65-RG165
M17/67-RG177	BC 0.195 (4.95)	PE 0.680 (17.27)	34SC:34SC 0.760 (19.03)	PVC-IIA 0.895 (22.73)	NA	0.520 (0.774)	50±2 (66)	32.2 (105.6)	11,000	-40+185 (-40+85)	Use M17/210-00001 LS/LT Jacket
M17/72-RG211	BC 0.192 (4.88)	PTFE 0.620 (15.75)	32BC 0.670 (17.02)	FG Braid-V 0.730 (18.54)	NA	0.516 (0.769)	50±2 (69.5)	29.3 (96.1)	7,000	-67+482 W	-
M17/73-RG212	SC 0.0556 (1.41)	PE 0.185 (4.70)	34SC:34SC 0.265 (6.73)	PVC-IIA 0.332 (8.43)	NA	0.089 (0.133)	50±2 (66)	32.2 (105.6)	3,000	-40+185 (-40+85)	Use M17/188-00001 LS/LT Jacket
M17/74-RG213	BC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	33BC:33BC 0.340 (8.64)	PVC-IIA 0.405 (10.29)	NA	0.111 (0.165)	50±2 (66)	32.2 (105.6)	5,000	-40+185 (-40+85)	Use M17/189-00001 LS/LT Jacket





RG CABLES MIL-C-17

Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/74-RG215	BC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	33BC:33BC 0.340 (8.64)	PVC-IIA 0.405 (10.29)	Alum. Braid. 0.475 (12.07)	0.138 (0.205)	50±2 (66)	32.2 (105.6)	5,000	-40+185 (-40+85)	Use M17/189-00002 LS/LT Jacket
M17/75-RG214	SC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	34SC:34SC 0.360 (9.14)	PVC-IIA 0.425 (10.80)	NA	0.130 (0.194)	50±2 (66)	32.2 (105.6)	5,000	-40+185 (-40+85)	Use M17/190-00001 LS/LT Jacket
M17/75-RG365	SC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	34SC:34SC 0.360 (9.14)	TPE 0.425 (10.80)	NA	0.130 (0.194)	50±2 (66)	32.2 (105.6)	5,000	-67+185 (-55+85)	-
M17/77-RG216	TC 7/.0159 0.0477 (1.21)	PE 0.285 (7.24)	34BC:34BC 0.360 (9.14)	PVC-IIA 0.425 (10.80)	NA	0.124 (0.185)	75±3 (66)	22.0 (72.2)	5,000	-40+185 (-40+85)	Use M17/191-00001 LS/LT Jacket
M17/78-RG217	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.463 (11.76)	PVC-IIA 0.545 (13.84)	NA	0.225 (0.335)	50±2 (66)	32.2 (105.6)	7,000	-40+185 (-40+85)	Use M17-192-00001 LS/LT Jacket
M17/78-00001	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.463 (11.76)	PVC-IIA 0.545 (13.84)	NA	0.225 (0.335)	50±2 (66)	32.2 (105.6)	7,000	-40+185 (-40+85)	Temperature-Cycled M17/78- RG217
M17/79-RG218	BC 0.195 (4.95)	PE 0.680 (17.27)	30BC 0.760 (19.30)	PVC-IIA 0.870 (22.10)	NA	0.510 (0.759)	50±2 (66)	32.2 (105.6)	11,000	-40+185 (-40+85)	Use M17/193-00001 LS/LT Jacket
M17/79-RG219	BC 0.195 (4.95)	PE 0.680 (17.27)	30BC 0.760 (19.30)	PVC-IIA 0.870 (22.10)	Alum. Braid 0.945 (24.00)	0.550 (0.819)	50±2 (66)	32.2 (105.6)	11,000	-40+185 (-40+85)	Use M17/193-00002 LS/LT Jacket
M17/81-00001	BC 0.260 (6.60)	PE 0.910 (23.11)	30BC 0.990 (25.14)	PVC-IIA 1.120 (28.45)	NA	0.820 (1.220)	50±2 (66)	32.2 (105.6)	14,000	-40+185 (-40+85)	-
M17/81-00002	BC 0.260 (6.60)	PE 0.910 (23.11)	30BC 0.990 (25.14)	PVC-IIA 1.120 (28.45)	Alum. Braid 1.195 (30.35)	0.880 (1.311)	50±2 (66)	32.2 (105.6)	14,000	-40+185 (-40+85)	Armored M17/81- 00001
M17/84-RG223	SC 0.035 (0.89)	PE 0.116 (2.95)	36SC:36SC 0.176 (4.47)	PVC-IIA 0.212 (5.38)	NA	0.041 (0.061)	50±2 (66)	32.2 (105.6)	1,900	-40+185 (-40+85)	Use M17/194-00001 LS/LT Jacket
M17/86-00001	SC 7/.0312 0.0936 (2.38)	PTFE 0.285 (7.24)	34SC:34SC 0.360 (9.14)	FG Braid-V 0.430 (10.92)	NA	0.195 (0.290)	50±2 (69.5)	32.4 (106.3)	5,000	-67+392 (-55+200)	-
M17/86-00002	SC 7/.0312 0.0936 (2.38)	PTFE 0.285 (7.24)	34SC:34SC 0.360 (9.14)	FG Braid-V 0.430 (10.92)	Alum. Braid 0.490 (12.45)	0.222 (0.330)	50±2 (69.5)	32.4 (106.3)	5,000	-67+392 (-55+200)	Armored M17/86- 00001





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RG CABLES MIL-C-17

Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/87-00001	SC 19/.0254 0.127 (3.23)	Taped PTFE 0.370 (9.40)	34BC:34BC 0.440 (11.18)	FG Braid-V 0.500 (12.70)	NA	0.448 (0.667)	50±2 (71)	31.7 (104.0)	7,000	-67+392 (-55+200)	-
M17/90-RG71	CCS 0.0253 (0.64)	Air-space PE 0.146 (3.71)	34BC:36TC 0.208 (5.28)	PE-III A 0.245 (6.22)	NA	0.050 (0.074)	93±5 (81)	14.5 (47.6)	1,000	-67+185 (-55+85)	Use M17/195-00001 LS/LT Jacket
M17/92-RG115	SC 7/.0280 0.084 (2.13)	Taped PTFE 0.255 (6.48)	34SC:34SC 0.325 (8.26)	FG Braid-V 0.415 (10.54)	NA	0.185 (0.275)	50±2 (71)	32.0 (105.0)	5,000	-67+392 (-55+200)	-
M17/92-00001	SC 7/.0280 0.084 (2.13)	Taped PTFE 0.255 (6.48)	34SC:34SC 0.325 (8.26)	FEP-IX 0.344 (8.74)	NA	0.185 (0.275)	50±2 (71)	32.0 (105.0)	5,000	-67+392 (-55+200)	-
M17/93-RG178	SCCS 7/.0040 0.012 (0.30)	PTFE 0.033 (0.84)	38SC 0.054 (1.37)	FEP-IX 0.071 (1.80)	NA	0.006 (0.009)	50±2 (69.5)	32.0 (105.0)	1,000	-67+392 (-55+200)	-
M17/93-00001	SCCS 7/.0040 0.012 (0.30)	PTFE 0.033 (0.84)	38SC 0.054 (1.37)	PFA-XIII 0.071 (1.80)	NA	0.006 (0.009)	50±2 (69.5)	32.0 (105.0)	1,000	-67+446 (-55+230)	-
M17/94-RG179	SCCS 7/.0040 0.012 (0.30)	PTFE 0.063 (1.60)	38SC 0.084 (2.13)	FEP-IX 0.100 (2.54)	NA	0.011 (0.016)	75±3 (69.5)	23.0 (75.5)	1,200	-67+392 (-55+200)	-
M17/95-RG180	SCCS 7/.0040 0.012 (0.30)	PTFE 0.102 (2.59)	38SC 0.124 (3.15)	FEP-IX 0.141 (3.58)	NA	0.0198 (0.029)	95±5 (69.5)	17.4 (57.1)	1,500	-67+392 (-55+200)	-
M17/97-RG210	SCCS 0.0253 (0.64)	Air-space PTFE 0.146 (3.71)	34SC 0.191 (4.85)	FG Braid-V 0.242 (6.15)	NA	0.050 (0.074)	93±5 (85)	14.5 (47.6)	N/A	-67+392 (-55+200)	-
M17/100-RG133	BC 0.0253 (0.64)	PE 0.285 (7.24)	33BC 0.340 (8.64)	PVC-II A 0.405 (10.29)	NA	0.095 (0.141)	95±5 (66)	16.2 (53.1)	5,000	-40+185 (-40+85)	-
M17/110-RG302	SCCS 0.0253 (0.64)	PTFE 0.146 (3.71)	36SC 0.176 (4.47)	FEP-IX 0.202 (5.13)	NA	0.040 (0.060)	75±3 (69.5)	22.0 (72.2)	2,300	-67+392 (-55+200)	-
M17/111-RG303	SCCS 0.037 (0.94)	PTFE 0.116 (2.95)	36SC 0.146 (3.71)	FEP-IX 0.170 (4.32)	NA	0.031 (0.046)	50±2 (69.5)	32.0 (105.0)	1,900	-67+392 (-55+200)	-
M17/112-RG304	SCCS 0.059 (1.50)	PTFE 0.185 (4.70)	34SC:34SC 0.250 (6.35)	FEP-IX 0.280 (7.11)	NA	0.094 (0.140)	50±2 (69.5)	32.0 (105.0)	3,000	-67+392 (-55+200)	-





RG CABLES MIL-C-17

Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/113-RG316	SCCS 7/.0067 0.0201 (0.51)	PTFE 0.060 (1.52)	38SC 0.081 (2.06)	FEP-IX 0.098 (2.49)	NA	0.012 (0.018)	50±2 (69.5)	32.0 (105.0)	1,200	-67+392 (-55+200)	-
M17/116-RG307	SC 19/.0058 0.029 (0.74)	Foam PE 0.146 (3.71)	34SC-PUR-34SC 0.237 (6.02)	PE-III A 0.265 (6.73)	NA	0.080 (0.119)	75±4 (81)	19.7 (64.6)	N/A	-67+176 (-55+80)	-
M17/119-RG174	CCS 7/.0063 0.0189 (0.48)	PE 0.060 (1.52)	38TC 0.088 (2.24)	PVC-II A 0.110 (2.79)	NA	0.009 (0.013)	50±2 (66)	32.2 (105.6)	1,500	-40+185 (-40+85)	Use M17/196-00001 LS/LT Jacket
M17/124-RG328	TC Braid 0.485 (12.32)	Rubber H,J,H 1.065 (27.05)	30TC:33GS:30TC 1.275 (32.39)	Neoprene 1.460 (37.08)	NA	1.600 (2.381)	25±2 (48)	85.0 (278.9)	15,000	-23+185 (-10+85)	-
M17/126-RG391	TC 7/.0159 0.0477 (1.21)	CPE & PE 0.295 (7.49)	34TC 0.340 (8.64)	PVC-II A 0.405 (10.29)	NA	0.100 (0.149)	72±3 (64)	23.0 (75.5)	5,000	-40+185 (-40+85)	Use M17/211-00001 LS/LT Jacket
M17/126-RG392	TC 7/.0159 0.0477 (1.21)	CPE & PE 0.295 (7.49)	34TC 0.340 (8.64)	PVC-II A 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.125 (0.186)	72±3 (64)	23.0 (75.5)	5,000	-40+185 (-40+85)	Armored M17/211-00001
M17/127-RG393	SC 7/.0312 0.094 (2.39)	PTFE 0.285 (7.24)	34SC:34SC 0.360 (9.14)	FEP-IX 0.390 (9.91)	NA	0.175 (0.260)	50±2 (69.5)	32.0 (105.0)	2,500	-67+392 (-55+200)	-
M17/128-RG400	SC 19/.0080 0.0384 (0.98)	PTFE 0.116 (2.95)	36SC:36SC 0.171 (4.34)	FEP-IX 0.195 (4.95)	NA	0.050 (0.074)	50±2 (69.5)	32.0 (105.0)	1,900	-67+392 (-55+200)	-
M17/129-RG401	SC 0.0641 (1.63)	PTFE 0.209 (5.31)	BC Tube 0.250 (6.35)	None	NA	0.105 (0.156)	50±0.5 (69.5)	29.6 (97.1)	3,000	-40+194 (-40+90)	-
M17/129-00001	SC 0.0641 (1.63)	PTFE 0.209 (5.31)	TC Tube 0.250 (6.35)	None	N/A	0.106 (0.158)	50±0.5 (69.5)	29.6 (97.1)	3,000	-40+194 (-40+90)	Tin Plated M17/129-RG401
M17/130-RG402	SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	BC Tube 0.141 (3.58)	None	NA	0.0344 (0.051)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	-
M17/130-00001	SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	TC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	Tin Plated M17/130-RG402
M17/130-00002	SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	BC Tube 0.141 (3.58)	None	NA	0.0344 (0.051)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	-





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RG CABLES MIL-C-17

Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/130-00003	SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	TC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	Tin Plated M17/130-00002
M17/130-00004	SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	BC Tube 0.141 (3.58)	None	NA	0.0344 (0.051)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	-
M17/130-00005	SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	TC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	Tin Plated M17/130-00004
M17/130-00006	SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	BC Tube 0.141 (3.58)	None	NA	0.0344 (0.051)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	-
M17/130-00007	SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	TC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	Tin Plated M17/130-00006
M17/130-00008	SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	AL Tube 0.141 (3.58)	None	NA	0.0188 (0.028)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	-
M17/130-00009	SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	Tinned AL Tube 0.141 (3.58)	None	NA	0.0205 (0.031)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	Tin Plated M17/130-00008
M17/130-00010	SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	AL Tube 0.141 (3.58)	None	NA	0.0188 (0.028)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	-
M17/130-00011	SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	Tinned AL Tube 0.141 (3.58)	None	NA	0.0205 (0.031)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	Tin Plated M17/130-00010
M17/130-00012	SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	SC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	Silver Plated M17/130-00004
M17/130-00013	SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	SC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	Silver Plated M17/130-00006
M17/130-00014	SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	TC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	90/10 Tin Plated 300u" min
M17/130-00015	SC 0.0362 (0.92)	PTFE 0.1175 (2.98)	TC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50±1 (69.5)	29.9 (98.1)	1,900	-40+257 (-40+125)	90/10 Tin Plated 300u" min
M17/131-RG403	SCCS 7/.004 0.012 (0.30)	PTFE 0.033 (0.84)	38SC-FEP-38SC 0.084 (2.13)	FEP-IX 0.104 (2.64)	NA	0.0165 (0.025)	50±2 (69.5)	30.2 (99.1)	1,000	-67+392 (-55+200)	RG-178 Triax
M17/132-00001	SCCS 7/.004 0.012 (0.30)	PTFE & CPT 0.036 (0.91)	38SC 0.056 (1.42)	FEP-IX 0.073 (1.85)	NA	0.0165 (0.025)	50±2 (68)	31.5 (103.4)	1,000	-40+392 (-40+200)	RG-178 Low Noise





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Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/133-RG405	SCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	BC Tube 0.086 (2.18)	None	NA	0.0153 (0.023)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	-
M17/133-00001	SCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	TC Tube 0.086 (2.18)	None	NA	0.0158 (0.024)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	Tin Plated M17/133-RG405
M17/133-00002	SC 0.0201 (0.51)	PTFE 0.066 (1.68)	BC Tube 0.086 (2.18)	None	NA	0.0152 (0.023)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	-
M17/133-00003	SC 0.0201 (0.51)	PTFE 0.066 (1.68)	TC Tube 0.086 (2.18)	None	NA	0.0157 (0.023)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	Tin Plated M17/133-00002
M17/133-00004	SNCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	BC Tube 0.086 (2.18)	None	NA	0.0154 (0.023)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	-
M17/133-00005	SNCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	TC Tube 0.086 (2.18)	None	NA	0.0159 (0.024)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	Tin Plated M17/133-00004
M17-133-00006	SCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	BC Tube 0.086 (2.18)	None	NA	0.0153 (0.023)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	-
M17-133-00007	SCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	TC Tube 0.086 (2.18)	None	NA	0.0158 (0.024)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	Tin Plated M17/133-00006
M17/133-00008	SC 0.0201 (0.51)	PTFE 0.066 (1.68)	BC Tube 0.086 (2.18)	None	NA	0.0152 (0.023)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	-
M17/133-00009	SC 0.0201 (0.51)	PTFE 0.066 (1.68)	TC Tube 0.086 (2.18)	None	NA	0.0157 (0.023)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	Tin Plated M17/133-00008
M17/133-00010	SNCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	BC Tube 0.086 (2.18)	None	NA	0.0154 (0.023)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	-
M17/133-00011	SNCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	TC Tube 0.086 (2.18)	None	NA	0.0159 (0.024)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	Tin Plated M17/133-00010
M17/133-00012	SCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	AL Tube 0.086 (2.18)	None	NA	0.0075 (0.011)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	-
M17/133-00013	SCCS 0.0201 (0.051)	PTFE 0.066 (1.68)	Tinned AL Tube 0.086 (2.18)	None	NA	0.008 (0.012)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	Tin Plated M17/133-00012
M17/133-00014	SNCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	AL Tube 0.086 (2.18)	None	NA	0.0075 (0.011)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	-





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RG CABLES MIL-C-17

Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/133-00015	SNCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	Tinned AL Tube 0.086 (2.18)	None	NA	0.008 (0.012)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	Tin Plated M17/133-00014
M17/133-00016	SCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	SC Tube 0.086 (2.18)	None	NA	0.0158 (0.024)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	Silver Plated M17/133-00006
M17/133-00017	SNCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	SC Tube 0.086 (2.18)	None	NA	0.0158 (0.024)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	Silver Plated M17/133-00010
M17/133-00018	SC 0.0201 (0.51)	PTFE 0.066 (1.68)	TC Tube 0.086 (2.18)	None	NA	0.0157 (0.023)	50±1.5 (69.5)	32.0 (105.0)	1,500	-40+257 (-40+125)	90/10 Tin Plated 300u" min
M17/134-00001	SC 0.033 (0.84)	PE 0.116 (2.95)	36SC-PE-36SC 0.175 (4.45)	PE-III A 0.245 (6.22)	NA	0.045 (0.067)	50±2 (66)	32.2 (105.6)	1,900	-40+158 (-40+70)	Water Blocked Triax
M17/134-00002	SC 0.033 (0.84)	PE 0.116 (2.95)	36SC-PE-36SC 0.175 (4.45)	PE-III A 0.245 (6.22)	NA	0.045 (0.067)	50±2 (66)	32.2 (105.6)	1,900	-40+158 (-40+70)	Non-Water Blocked M17/134-00001
M17/134-00003	SC 0.033 (0.84)	PE 0.116 (2.95)	36SC-XLPE-36SC 0.175 (4.45)	XLPE 0.245 (6.22)	NA	0.050 (0.074)	50±2 (66)	32.2 (105.6)	1,900	-22+185 (-30+85)	Non-Halogen Low Smoke M17/134-00001
M17/134-00004	SC 0.033 (0.84)	PE 0.116 (2.95)	36SC-XLPE-36SC 0.175 (4.45)	XLPE 0.245 (6.22)	NA	0.050 (0.074)	50±2 (66)	32.2 (105.6)	1,900	-22+185 (-30+85)	Non-Halogen Low Smoke M17/134-00002
M17/135-00001	SC 7/.0296 0.089 (2.26)	PE 0.285 (7.24)	33SC-PE-33SC 0.365 (9.27)	PUR 0.500 (12.70)	NA	0.160 (0.238)	50±2 (66)	32.0 (105.0)	5,000	-40+158 (-40+70)	Water Blocked Triax
M17/135-00002	SC 7/.0296 0.089 (2.26)	PE 0.285 (7.24)	33SC-PE-33SC 0.365 (9.27)	PUR 0.500 (12.70)	NA	0.160 (0.238)	50±2 (66)	32.0 (105.0)	5,000	-40+158 (-40+70)	Non-Water Blocked M17/135-00001
M17/135-00003	SC 0.081 (2.06)	PE 0.285 (7.24)	33SC-PE-33SC 0.365 (9.27)	PE-III A 0.500 (12.70)	NA	0.185 (0.275)	50±2 (66)	32.0 (105.0)	5,000	-40+158 (-40+70)	Water Blocked Triaxial
M17/135-00004	SC 0.081 (2.06)	PE 0.285 (7.24)	33SC-PE-33SC 0.365 (9.27)	PE-III A 0.500 (12.70)	NA	0.185 (0.275)	50±2 (66)	32.0 (105.0)	5,000	-40+158 (-40+70)	Non-Water Blocked M17/135-00003
M17/135-00005	SC 0.081 (2.06)	PE 0.285 (7.24)	33SC-XLPE-33SC 0.365 (9.27)	XLPE 0.500 (12.70)	NA	0.185 (0.275)	50±2 (66)	32.0 (105.0)	5,000	-22+185 (-30+85)	Water Blocked Non-Halogen Low Smoke M17/135-00003





RG CABLES MIL-C-17

Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/135-00006	SC 0.081 (2.06)	PE 0.285 (7.24)	33SC-XLPE-33SC 0.365 (9.27)	XLPE 0.500 (12.70)	NA	0.185 (0.275)	50±2 (66)	32.0 (105.0)	5,000	-22+185 (-30+85)	Non-Water Blocked Non-Halogen Low Smoke M17/135-00004
M17/136-00001	SCCS 7/.004 0.0120 (0.30)	PTFE 0.063 (1.60)	38SC 0.084 (2.13)	PFA-XIII 0.100 (2.54)	NA	0.012 (0.018)	75±3 (69.5)	22.0 (72.2)	1,200	-67+446 (-55+230)	High Temperature M17/94-RG179
M17/137-00001	SCCS 7/.004 0.0120 (0.30)	PTFE 0.102 (2.59)	38SC 0.124 (3.15)	PFA-XIII 0.141 (3.58)	NA	0.020 (0.030)	95±5 (69.5)	15.4 (50.5)	1,500	-67+392 (-55+200)	High Temperature M17/95-RG180
M17/138-00001	SCCS 7/.0067 0.0201 (0.51)	PTFE 0.060 (1.52)	38SC 0.081 (2.06)	PFA-XIII 0.098 (2.49)	NA	0.0122 (0.018)	50±2 (69.5)	32.0 (105.0)	1,200	-67+446 (-55+230)	High Temperature M17/113-RG316
M17/139-00001	SCBeCu 7/.004 0.0120 (0.30)	PTFE 0.102 (2.59)	38SC CadBr 0.124 (3.15)	PFA-XIII 0.141 (3.58)	NA	0.0194 (0.029)	95±5 (69.5)	17.4 (57.1)	1,500	-67+392 (-55+200)	High Strength M17/95-RG180
M17/151-00001	SCCS 0.0113 (0.29)	PTFE 0.037 (0.94)	BC Tube 0.047 (1.19)	None	NA	0.0045 (0.0067)	50±2.5 (69.5)	32.0 (105.0)	1,000	-40+212 (-40+100)	0.047" Semi-Rigid
M17/151-00002	SCCS 0.0113 (0.29)	PTFE 0.037 (0.94)	TC Tube 0.047 (1.19)	None	NA	0.0048 (0.007)	50±2.5 (69.5)	32.0 (105.0)	1,000	-40+212 (-40+100)	Tin Plated M17/151-00001
M17/152-00001	SCCS 7/.0067 0.0201 (0.51)	PTFE 0.060 (1.52)	38SC:38SC 0.096 (2.44)	FEP-IX 0.114 (2.90)	NA	0.0185 (0.028)	50±2 (69.5)	32.0 (105.0)	1,200	-67+392 (-55+200)	Double Shielded M17/113-RG316
M17/154-00001	SCCS 0.008 (0.20)	PTFE 0.026 (0.66)	BC Tube 0.034 (0.86)	None	NA	0.0026 (0.0038)	50±3 (69.5)	32.0 (105.0)	750	-40+212 (-40+100)	0.034" Semi-Rigid
M17/154-00002	SCCS 0.008 (0.20)	PTFE 0.026 (0.66)	TC Tube 0.034 (0.86)	None	NA	0.0028 (0.0042)	50±3 (69.5)	32.0 (105.0)	750	-40+212 (-40+100)	Tin Plated M17/154-00001
M17/155-00001	TC 19/.0072 0.0355 (0.90)	PE 0.116 (2.95)	36TC 0.150 (3.81)	PVC-IIA 0.195 (4.95)	NA	0.0260 (0.039)	50±2 (66)	32.2 (105.6)	1,900	-40+185 (-40+85)	Use M17/197-00001 LS/LT Jacket
M17/156-00001	BC 0.1019 (2.59)	PTFE 0.332 (8.43)	33BC:34BC 0.414 (10.52)	FG Braid-V 0.465 (11.81)	NA	0.2400 (0.357)	50±2 (69.5)	29.3 (96.1)	6,000	-67+392 (-55+200)	Unswpt M17/52-RG119
M17/157-00001	TC 27/.005 0.0308 (0.78)	PE 0.096 (2.44)	36TC 0.126 (3.20)	PVC-IIA 0.160 (4.06)	NA	0.0210 (0.031)	50±2 (66)	32.2 (105.6)	1,900	-40+185 (-40+85)	Use M17/198-00001 LS/LT Jacket





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Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/158-00001	SCCS 0.037 (0.94)	PTFE 0.116 (2.95)	36SC:36SC 0.171 (4.34)	FEP-IX 0.195 (4.95)	NA	0.056 (0.083)	50±2 (69.5)	32.0 (105.0)	1,900	-67+392 (-55+200)	Unswept M17/60- RG142
M17/159-00001	SC 7/.0315 0.094 (2.39)	PTFE 0.285 (7.24)	34SC 0.340 (8.64)	FG Braid-V 0.410 (10.41)	NA	0.218 (0.324)	50±2 (69.5)	29.3 (96.1)	2,500	-67+482 (-55+250)	Unswept M17/65- RG165
M17/160-00001	BC 0.195 (4.95)	PE 0.680 (17.27)	34SC:34SC 0.760 (19.30)	PVC-IIA 0.895 (22.73)	NA	0.520 (0.774)	50±2 (66)	32.2 (105.6)	11,000	-40+185 (-40+85)	Use M17/212- 00001 LS/LT Jacket
M17/161-00001	BC 0.192 (4.88)	PTFE 0.620 (15.75)	32BC 0.670 (17.0)	FG Braid-V 0.730 (18.54)	NA	0.650 (0.967)	50±2 (69.5)	29.3 (96.1)	7,000	-67+482 (-55+250)	Unswept M17/60- RG211
M17/161-00002	BC 0.192 (4.88)	PTFE 0.620 (15.75)	32BC 0.670 (17.02)	FG Braid-V 0.730 (18.54)	Alum. Braid 0.795 (20.19)	0.650 (0.967)	50±2 (69.5)	29.3 (96.1)	7,000	-67+482 (-55+250)	Armored M17/161- 00001
M17/162-00001	SC .0556 (1.41)	PE 0.185 (4.70)	34SC:34SC 0.265 (6.73)	PVC-IIA 0.332 (8.43)	NA	0.089 (0.133)	50±2 (66)	32.2 (105.6)	3,000	-40+185 (-40+85)	Use M17/199- 00001 LS/LT Jacket
M17/163-00001	BC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	33BC 0.340 (8.64)	PVC-IIA 0.405 (10.29)	NA	0.111 (0.165)	50±2 (66)	32.2 (105.6)	5,000	-40+185 (-40+85)	Unswept M17/74- RG213
M17/164-00001	SC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	34SC:34SC 0.360 (9.14)	PVC-IIA 0.425 (10.80)	NA	0.140 (0.208)	50±2 (66)	32.2 (105.6)	5,000	-40+185 (-40+85)	Use M17/214- 00001 LS/LT Jacket
M17/164-00002	SC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	34SC:34SC 0.360 (9.14)	TPE 0.425 (10.80)	NA	0.140 (0.208)	50±2 (66)	32.2 (105.6)	5,000	-67+185 (-55+85)	Unswept M17/75- RG365
M17/165-00001	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.436 (11.07)	PVC-IIA 0.545 (13.84)	NA	0.225 (0.335)	50±2 (66)	32.2 (105.6)	7,000	-40+185 (-40+85)	Use M17/215- 00001 LS/LT Jacket
M17/165-00002	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.436 (11.07)	PVC-IIA 0.545 (13.84)	Alum. Braid 0.615 (15.62)	0.310 (0.461)	50±2 (66)	32.2 (105.6)	7,000	-40+185 (-40+85)	Armored M17/215- 00001
M17/166-00001	BC 0.195 (4.95)	PE 0.680 (17.27)	30BC 0.760 (19.03)	PVC-IIA 0.870 (22.10)	NA	0.510 (0.759)	50±2 (66)	32.2 (105.6)	11,000	-40+185 (-40+85)	Use M17/216- 00001 LS/LT Jacket
M17/167-00001	SC 0.035 (0.89)	PE 0.116 (2.95)	36BC:36SC 0.176 (4.47)	PVC-IIA 0.212 (5.38)	NA	0.041 (0.061)	50±2 (66)	32.2 (105.6)	1,900	-40+185 (-40+85)	Unswept M17/84- RG223 45C M17/200- 00001 LS/ LT Jkt





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Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/168-00001	SC 7/.028 0.084 (2.13)	Taped PTFE 0.255 (6.48)	34SC:34SC 0.325 (8.26)	FG Braid-V 0.415 (10.54)	NA	0.185 (0.275)	50±2 (71)	32.0 (105.0)	5,000	-67+392 (-55+200)	Unswpt M17/92- RG115
M17/168-00002	SC 7/.028 0.084 (2.13)	Taped PTFE 0.255 (6.48)	34SC:34SC 0.325 (8.26)	FEP-IX 0.344 (8.74)	NA	0.185 (0.275)	50±2 (71)	32.0 (105.0)	5,000	-67+392 (-55+200)	FEP Jacketed Unswpt M17/92- RG115
M17/169-00001	SCCS 7/.004 0.012 (0.30)	PTFE 0.033 (0.84)	38SC 0.054 (1.37)	FEP-IX 0.071 (1.80)	NA	0.006 (0.009)	50±2 (69.5)	32.0 (105.0)	1,000	-67+392 (-55+200)	Unswpt M17/93- RG178
M17/170-00001	SCCS 0.037 (0.94)	PTFE 0.116 (2.95)	36SC 0.146 (3.71)	FEP-IX 0.170 (4.32)	NA	0.039 (0.058)	50±2 (69.5)	32.0 (105.0)	1,900	-67+392 (-55+200)	Unswpt M17/111- RG303
M17/171-00001	SCCS 0.059 (1.50)	PTFE 0.185 (4.70)	34SC:34SC 0.250 (6.35)	FEP-IX 0.280 (7.11)	NA	0.092 (0.137)	50±2 (69.5)	32.0 (105.0)	3,000	-67+392 (-55+200)	Unswpt M17/112- RG304
M17/172-00001	SCCS 7/.0067 0.0201 (0.51)	PTFE 0.060 (1.52)	38SC 0.081 (2.06)	FEP-IX 0.098 (2.49)	NA	0.012 (0.018)	50±2 (69.5)	32.0 (105.0)	1,200	-67+392 (-55+200)	Unswpt M17/113- RG316
M17/173-00001	CCS 7/.0063 0.0189 (0.48)	PE 0.060 (1.52)	38TC 0.088 (2.24)	PVC-IIA 0.110 (2.79)	NA	0.0095 (0.014)	50±2 (66)	32.2 (105.6)	1,500	-40+185 (-40+85)	Use M17/217- 00001 LS/LT Jacket
M17/174-00001	SC 7/.0312 0.094 (2.39)	PTFE 0.285 (7.24)	34SC:34SC 0.360 (9.14)	FEP-IX 0.390 (9.91)	NA	0.175 (0.260)	50±2 (69.5)	32.0 (105.0)	2,500	-67+392 (-55+200)	Unswpt M17/127- RG393
M17/175-00001	SC 19/.008 0.0384 (0.98)	PTFE 0.116 (2.95)	36SC:36SC 0.171 (4.34)	FEP-IX 0.195 (4.95)	NA	0.050 (0.074)	50±2 (69.5)	32.0 (105.0)	1,900	-67+392 (-55+200)	Unswpt M17/128- RG400
M17/176-00002	2C:SPA 19/.005 0.0235 (0.60)	PTFE 0.042 (1.07)	38SCBeCu 0.102 (2.59)	PFA-XIII 0.129 (3.28)	NA	0.018 (0.027)	77±7 (71)	24.0 (78.7)	N/A	-67+392 (-55+200)	Use up to 10 MHz max
M17/176-00003	2C:SPA 19/.005 0.0235 (0.60)	ETFE 0.042 (1.07)	38SCBeCu 0.102 (2.59)	PFA,FEP, ETFE,ETCFE 0.125 (3.18)	NA	0.016 (0.024)	77±7 (78)	24.0 (78.7)	N/A	-67+302 (-55+150)	Use up to 10 MHz max
M17/177-00001	SCCS 7/.004 0.012 (0.30)	PTFE 0.102 (2.59)	38SC-FEP-38SC 0.163 (4.14)	FEP-IX 0.184 (4.67)	NA	0.034 (0.051)	95±5 (69.5)	17.4 (57.1)	1,500	-67+392 (-55+200)	Use up to 3000 MHz max
M17/178-00001	SCCS 7/.004 0.012 (0.30)	PTFE 0.102 (2.59)	38SC:34NC Composite 0.175 (4.45)	Polyester Braid 0.270 (6.86)	NA	0.060 (0.089)	95±5 (69.5)	17.4 (57.1)	1,500	-67+302 (-55+150)	Use up to 3000 MHz max





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Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/179-00001	SCCS 7/.004 0.012 (0.30)	PTFE 0.063 (1.60)	38SC:36NC Composite 0.130 (3.30)	Polyester Braid 0.195 (4.95)	NA	0.036 (0.054)	75±3 (69.5)	23.0 (75.5)	1,200	-67+302 (-55+150)	Use up to 3000 MHz max
M17/180-00001	CCS 0.0285 (0.72)	PE 0.185 (4.70)	34SC-34BC 0.254 (6.45)	XLPE 0.332 (8.43)	NA	0.092 (0.137)	75±3 (66)	22.0 (72.2)	2,700	-22+185 (-30+85)	Non-Halogen Low Smoke M17/2-RG6
M17/181-00001	TC 7/.0159 0.0477 (1.21)	PE 0.285 (7.24)	33BC 0.330 (8.38)	XLPE 0.405 (10.29)	NA	0.108 (0.161)	75±3 (66)	22.0 (72.2)	5,000	-22+185 (-30+85)	Non-Halogen Low Smoke M17/6-RG11
M17/181-00002	TC 7/.0159 0.0477 (1.21)	PE 0.285 (7.24)	34BC 0.330 (8.38)	XLPE 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.132 (0.196)	75±3 (66)	22.0 (72.2)	5,000	-22+185 (-30+85)	Armored M17/181- 00001
M17/182-00001	2C:BC 7/.0152 0.0456 (1.16)	PE 0.285 (7.24)	34TC:34TC 0.355 (9.02)	XLPE 0.420 (10.67)	NA	0.142 (0.211)	95±5 (66)	17.4 (57.1)	-	-22+185 (-30+85)	Non-Halogen Low Smoke M17/15-RG22
M17/182-00002	2C:BC 7/.0152 0.0456 (1.16)	PE 0.285 (7.24)	34TC:34TC 0.355 (9.02)	XLPE 0.420 (10.67)	Alum. Braid 0.490 (12.45)	0.169 (0.252)	95±5 (66)	17.4 (57.1)	-	-22+185 (-30+85)	Armored M17/182- 00001
M17/183-00001	TC 19/.0072 0.0355 (0.90)	PE 0.116 (2.95)	36TC 0.145 (3.68)	XLPE 0.195 (4.95)	NA	0.030 (0.045)	50±2 (66)	32.2 (105.6)	1,900	-22+185 (-30+85)	Non-Halogen Low Smoke M17/28-RG58
M17/184-00001	CCS 0.0226 (0.57)	PE 0.146 (3.71)	34BC 0.182 (4.62)	XLPE 0.242 (6.15)	NA	0.043 (0.064)	75±3 (66)	22.0 (72.2)	2,300	-22+185 (-30+85)	Non-Halogen Low Smoke M17/29-RG59
M17/185-00001	CCS 0.0253 (0.64)	Air Spaced PE 0.146 (3.71)	34BC 0.182 (4.62)	XLPE 0.242 (6.15)	NA	0.042 (0.063)	93±5 (81)	14.5 (47.6)	N/A	-22+185 (-30+85)	Non-Halogen Low Smoke M17/30- RG62
M17/186-00001	2C:TC 7/.0126 0.0378 (0.96)	PE (each) 0.079 (2.01)	36TC 0.180 (4.57)	XLPE 0.235 (5.97)	NA	0.041 (0.061)	75±7 (68)	24.5 (80.4)	N/A	-22+176 (-30+80)	Non-Halogen Low Smoke M17/45- RG108
M17/187-00001	TC 27/.005 0.0308 (0.78)	PE 0.096 (2.44)	36TC 0.126 (3.20)	XLPE 0.160 (4.06)	NA	0.023 (0.034)	50±2 (66)	32.2 (105.6)	1,900	-22+185 (-30+85)	Non-Halogen Low Smoke M17/54- RG122
M17/188-00001	SC 0.0556 (1.41)	PE 0.185 (4.70)	34SC:34SC 0.255 (6.48)	XLPE 0.332 (8.43)	NA	0.099 (0.147)	50±2 (66)	32.2 (105.6)	3,000	-22+176 (-30+80)	Non-Halogen Low Smoke M17/73- RG212





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Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/189-00001	BC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	33BC 0.330 (8.38)	XLPE 0.405 (10.29)	NA	0.121 (0.180)	50±2 (66)	32.2 (105.6)	5,000	-22+185 (-30+85)	Non-Halogen Low Smoke M17/74- RG213
M17/189-00002	BC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	33BC 0.330 (8.38)	XLPE 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.146 (0.217)	50±2 (66)	32.2 (105.6)	5,000	-22+185 (-30+85)	Armored M17/189- 00001
M17/190-00001	SC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	34SC:34SC 0.355 (9.02)	XLPE 0.425 (10.80)	NA	0.154 (0.229)	50±2 (66)	32.2 (105.6)	5,000	-22+185 (-30+85)	Non-Halogen Low Smoke M17/75- RG214
M17/191-00001	TC 7/.0159 0.0477 (1.21)	PE 0.285 (7.24)	34BC:34BC 0.355 (9.02)	XLPE 0.425 (10.80)	NA	0.139 (0.207)	75±3 (66)	22.0 (72.2)	5,000	-22+185 (-30+85)	Non-Halogen Low Smoke M17/77- RG216
M17/192-00001	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.445 (11.56)	XLPE 0.545 (13.84)	NA	0.248 (0.369)	50±2 (66)	32.2 (105.6)	7,000	-22+185 (-30+85)	Non-Halogen Low Smoke M17/78- RG217
M17/192-00002	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.445 (11.56)	XLPE 0.545 (13.84)	NA	0.248 (0.369)	50±2 (66)	32.2 (105.6)	7,000	-22+185 (-30+85)	M17/192- 00001 w/ Temperature- Cycling
M17/193-00001	BC 0.195 (4.95)	PE 0.680 (17.27)	30BC 0.740 (18.80)	XLPE 0.870 (22.10)	NA	0.521 (0.775)	50±2 (66)	32.2 (105.6)	11,000	-22+185 (-30+85)	Non-Halogen Low Smoke M17/79- RG218
M17/193-00002	BC 0.195 (4.95)	PE 0.680 (17.27)	30BC 0.740 (18.80)	XLPE 0.870 (22.10)	Alum. Braid 0.945 (24.00)	0.571 (0.850)	50±2 (66)	32.2 (105.6)	11,000	-22+185 (-30+85)	Armored M17/193- 00001
M17/194-00001	SC 0.035 (0.89)	PE 0.116 (2.95)	36SC:36SC 0.170 (4.32)	XLPE 0.212 (5.38)	NA	0.040 (0.060)	50±2 (66)	32.2 (105.6)	1,900	-22+185 (-30+85)	Non-Halogen Low Smoke M17/84- RG233
M17/195-00001	CCS 0.0253 (0.64)	Air Spaced PE 0.146 (3.71)	34BC:34TC 0.208 (5.28)	XLPE 0.245 (6.22)	NA	0.053 (0.079)	93±5 (85)	14.5 (47.6)	N/A	-22+185 (-30+85)	Non-Halogen Low Smoke M17/90-RG71
M17/196-00001	CCS 7/.0063 0.0189 (0.48)	PE 0.060 (1.52)	38TC 0.083 (2.11)	XLPE 0.110 (2.79)	NA	0.009 (0.013)	50±2 (66)	32.2 (105.6)	1,500	-22+185 (-30+85)	Non-Halogen Low Smoke M17/119- RG174
M17/197-00001	TC 19/.0072 0.0355 (0.90)	PE 0.116 (2.95)	36TC 0.145 (3.68)	XLPE 0.195 (4.95)	NA	0.0310 (0.046)	50±2 (66)	32.2 (105.6)	1,900	-22+185 (-30+85)	Non-Halogen Low Smoke M17/155- 00001





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RG CABLES MIL-C-17

Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/198-00001	TC 27/.005 0.0308 (0.78)	PE 0.096 (2.44)	36TC 0.126 (3.20)	XLPE 0.160 (4.06)	NA	0.024 (0.036)	50±2 (66)	32.2 (105.6)	1,900	-22+185 (-30+85)	Non-Halogen Low Smoke M17/157-00001
M17/199-00001	SC 0.0556 (1.41)	PE 0.185 (4.70)	34SC:34SC 0.255 (6.48)	XLPE 0.332 (8.43)	NA	0.100 (0.149)	50±2 (66)	32.2 (105.6)	3,000	-22+185 (-30+85)	Non-Halogen Low Smoke M17/162-00001
M17/200-00001	SC 0.0350 (0.89)	PE 0.116 (2.95)	36SC:36SC 0.170 (4.32)	XLPE 0.212 (5.38)	NA	0.044 (0.066)	50±2 (66)	32.2 (105.6)	1,900	-22+185 (-30+85)	Non-Halogen Low Smoke M17/157-00001
M17/201-00001	SC 24:36 19/.005 0.0248 (0.63)	XLETFE 0.052 (1.32)	38TC 0.127 (3.23)	XLETFE 0.137 (3.48)	NA	0.0142 (0.021)	77±5 (66)	30.0 (98.4)	N/A	-85 +302 (-65 +150)	Single Shield Data Bus Cable
M17/201-00002	TC 22:34 19/.0063 0.0312 (0.79)	XLETFE 0.064 (1.63)	38TC 0.153 (3.89)	XLETFE 0.165 (4.19)	NA	0.0219 (0.033)	77±5 (66)	30.0 (98.4)	N/A	-85 +302 (-65+150)	Single Shield Data Bus Cable
M17/201-00003	SC 24:36 19/.005 0.0248 (0.63)	XLETFE 0.048 (1.22)	38TC 0.120 (3.05)	XLETFE 0.130 (3.30)	NA	0.0159 (0.024)	77±5 (66)	30.0 (98.4)	N/A	-85 +302 (-65+150)	Single Shield Data Bus Cable
M17/202-00001	SC 24:36 19/.005 0.0248 (0.63)	XLETFE 0.048 (1.22)	38TC:38TC 0.131 (3.33)	XLETFE 0.147 (3.73)	NA	0.0262 (0.039)	77±5 (66)	30.0 (98.4)	N/A	-85+302 (-65+150)	Single Shield Data Bus Cable
M17/203-00001	SC 24:36 19/.005 0.0248 (0.63)	XLETFE 0.048 (1.22)	38TC:38TC Mu Metal Interlayer 0.147 (3.73)	XLETFE 0.161 (4.09)	NA	0.0291 (0.043)	77±5 (66)	30.0 (98.4)	N/A	-85+302 (-65+150)	Single Shield Data Bus Cable
M17/205-00018	SC 0.0298 (0.76)	PTFE 0.083 (2.11)	Helical SPC Tape 38SC 0.108 (2.74)	PFA-XIII 0.120 (3.05)	NA	0.015 (0.022)	50±2 (82)	27.0 (88.6)	1,900	-67+392 (-55+200)	Consider: TFlex 405 or TFlex 402
M17/205-00050	SC 0.0298 (0.76)	PTFE 0.083 (2.11)	Helical SPC Tape 38SC 0.108 (2.74)	PFA-XIII 0.120 (3.05)	NA	0.015 (0.022)	50±2 (82)	27.0 (88.6)	1,900	-67+392 (-55+200)	Consider: TFlex 405 or TFlex 402
M17/206-00018	SC 0.0365 (0.93)	PTFE 0.117 (2.97)	SC Strip-AL Kptn 38SC 0.153 (3.89)	FEP-IX 0.169 (4.29)	NA	0.040 (0.060)	50±2 (69.5)	32.0 (105.0)	1,900	-67+392 (-55+200)	Consider: SF-142
M17/206-00030	SC 0.0365 (0.93)	PTFE 0.117 (2.97)	SC Strip-AL Kptn 38SC 0.153 (3.89)	FEP-IX 0.169 (4.29)	NA	0.040 (0.060)	50±2 (69.5)	32.0 (105.0)	1,900	-67+392 (-55+200)	Consider: SF-142





RG CABLES MIL-C-17

Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/208-00001	BCCS 0.007 (0.18)	Air Spaced PE 0.285 (7.24)	34BC 0.340 (8.64)	XLPE 0.405 (10.29)	NA	0.089 (0.133)	185±10 (83)	7.2 (23.6)	N/A	-40+176 (-40+80)	Non-Halogen Low Smoke M17/47- RG114
M17/209-00001	BC 0.1045 (2.65)	PE 0.680 (17.27)	30BC 0.760 (19.30)	XLPE 0.870 (22.10)	NA	0.505 (0.752)	75±3 (66)	22.0 (72.2)	10,000	-40+176 (-40+80)	Non-Halogen Low Smoke M17/64- RG164
M17/210-00001	BC 0.195 (4.95)	PE 0.680 (17.27)	34SC:34SC 0.760 (19.30)	XLPE 0.895 (22.73)	NA	0.572 (0.851)	50±2 (66)	32.2 (105.6)	11,000	-40+176 (-40+80)	Non-Halogen Low Smoke M17/67- RG177
M17/211-00001	TC 7/.0159 0.0477 (1.21)	CPE & PE 0.295 (7.49)	34TC 0.340 (8.64)	XLPE 0.405 (10.29)	NA	0.125 (0.186)	72±3 (63)	23.0 (75.5)	5,000	-22+185 (-30+85)	Non-Halogen Low Smoke M17/126- RG391
M17/211-00002	BC 7/.0159 0.0477 (1.21)	CPE & PE 0.295 (7.49)	34TC 0.340 (8.64)	XLPE 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.135 (0.201)	72±3 (63)	23.0 (75.5)	5,000	-22+185 (-30+85)	Armored M17/211- 00001
M17/211-00003	BC 7/.0159 0.0477 (1.21)	CPE & PE 0.295 (17.27)	34TC 0.340 (8.64)	XLPE 0.405 (10.29)	N/A	0.125 (0.186)	72±3 (63)	23.0 (75.5)	5,000	-22+185 (-30+85)	M17/211- 00001 +IR Spec
M17/212-00001	BC 0.195 (4.95)	PE 0.680 (17.27)	34SC:34SC 0.760 (19.30)	XLPE 0.895 (22.73)	NA	0.572 (0.851)	50±2 (66)	32.2 (105.6)	11,000	-40+176 (-40+80)	Non-Halogen Low Smoke M17/160- 00001
M17/213-00001	BC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	33BC 0.330 (8.38)	XLPE 0.405 (10.29)	NA	0.121 (0.180)	50±2 (66)	32.2 (105.6)	5,000	-40+176 (-40+80)	Non-Halogen Low Smoke M17/163- 00001
M17/214-00001	SC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	34SC:34SC 0.355 (9.02)	XLPE 0.425 (10.80)	NA	0.154 (0.229)	50±2 (66)	32.2 (105.6)	5,000	-40+176 (-40+80)	Non-Halogen Low Smoke M17/164- 00001
M17/215-00001	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.463 (11.76)	XLPE 0.545 (13.84)	NA	0.248 (0.369)	50±2 (66)	32.2 (105.6)	7,000	-40+176 (-40+80)	Non-Halogen Low Smoke M17/165- 00001
M17/216-00001	BC 0.195 (4.95)	PE 0.680 (17.27)	30BC 0.760 (19.03)	XLPE 0.870 (22.10)	NA	0.521 (0.775)	50±2 (66)	32.2 (105.6)	11,000	-40+176 (-40+80)	Non-Halogen Low Smoke M17/166- 00001
M17/217-00001	BCCS 7/.0063 0.0189 (0.48)	PE 0.060 (1.52)	38TC 0.088 (2.240)	XLPE 0.110 (2.79)	NA	0.010 (0.015)	50±2 (66)	32.2 (105.6)	1,500	-40+176 (-40+80)	Non-Halogen Low Smoke M17/173- 00001





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RG CABLES MIL-C-17

Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/218-00001	BCCS 0.0253 (0.64)	Air Spaced PE 0.285 (7.24)	33BC 0.340 (8.64)	XLPE 0.405 (10.29)	NA	0.088 (0.131)	125±6 (86)	11.0 (36.1)	N/A	-40+176 (-40+80)	Non-Halogen Low Smoke M17/31-RG63
M17/218-00002	BCCS 0.0253 (0.64)	Air Spaced PE 0.285 (7.24)	33BC 0.340 (8.64)	XLPE 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.138 (0.205)	125±6 (86)	11.0 (36.1)	N/A	-40+176 (-40+80)	Armored M17/218-00001
M17/219-00001	SCCS 0.0232 (0.59)	PTFE 0.076 (1.93)	BC Tube 0.096 (2.44)	None	NA	0.015 (0.022)	50±1 (59.5)	32.0 (105)	1,700	-40+257 (-40+125)	Proposed Spec
M17/220-00001	BC 0.044 (1.12)	Foam PE 0.116 (2.95)	36TC:AL Tape 0.144 (3.66)	XLPE 0.195 (4.95)	N/A	0.037 (0.055)	50±2 (83)	27.0 (88.6)	750	-22+221 (-30+105)	Non-Halogen Low Smoke Low Loss
M17/220-00002	BC 0.044 (1.12)	Foam PE 0.116 (2.95)	36TC:AL Tape 0.144 (3.66)	XLPE 0.195 (4.95)	Alum. Braid 0.265 (6.73)	0.051 (0.076)	50±2 (83)	27.0 (88.6)	750	-22+221 (-30+105)	Armored M17/220-00001
M17/221-00001	BC 0.056 (1.42)	Foam PE 0.150 (3.81)	36TC:AL Tape 0.178 (4.52)	XLPE 0.242 (6.15)	NA	0.051 (0.076)	50±2 (84)	27.0 (88.6)	1,125	-22+221 (-30+105)	Non-Halogen Low Smoke Low Loss
M17/221-00002	BC 0.056 (1.42)	Foam PE 0.150 (3.81)	36TC:AL Tape 0.178 (4.52)	XLPE 0.242 (6.15)	Alum. Braid 0.312 (7.92)	0.066 (0.098)	50±2 (84)	27.0 (88.6)	1,125	-22+221 (-30+105)	Armored M17/221-00001
M17/222-00001	BC 0.070 (1.78)	Foam PE 0.190 (4.83)	34TC:AL Tape 0.225 (5.72)	XLPE 0.300 (7.62)	NA	0.087 (0.130)	50±2 (85)	27.0 (88.6)	1,500	-22+221 (-30+105)	Non-Halogen Low Smoke Low Loss
M17/222-00002	BC 0.070 (1.78)	Foam PE 0.190 (4.83)	34TC:AL Tape 0.225 (5.72)	XLPE 0.300 (7.62)	Alum. Braid 0.370 (9.40)	0.105 (0.158)	50±2 (85)	27.0 (88.6)	1,500	-22+221 (-30+105)	Armored M17/222-00001
M17/223-00001	BCCAL 0.108 (2.74)	Foam PE 0.285 (7.24)	34TC:AL Tape 0.320 (8.13)	XLPE 0.405 (10.29)	NA	0.114 (0.170)	50±2 (85)	27.0 (88.6)	2,250	-22+221 (-30+105)	Non-Halogen Low Smoke Low Loss
M17/223-00002	BCCAL 0.108 (2.74)	Foam PE 0.285 (7.24)	34TC:AL Tape 0.320 (8.13)	XLPE 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.140 (0.208)	50±2 (85)	27.0 (88.6)	2,250	-22+221 (-30+105)	Armored M17/223-00001
M17/224-00001	BCCAL 0.141 (3.58)	Foam PE 0.370 (9.40)	33TC:AL Tape 0.409 (10.39)	XLPE 0.500 (12.70)	NA	0.132 (0.196)	50±2 (86)	27.0 (88.6)	3,000	-22+221 (-30+105)	Non-Halogen Low Smoke Low Loss
M17/224-00002	BCCAL 0.141 (3.58)	Foam PE 0.370 (9.40)	33TC:AL Tape 0.409 (10.39)	XLPE 0.500 (12.70)	Alum. Braid 0.570 (14.48)	0.163 (0.243)	50±2 (86)	27.0 (88.6)	3,000	-22+221 (-30+105)	Armored M17/224-00001
M17/225-00001	BCCAL 0.175 (4.45)	Foam PE 0.455 (11.56)	33TC:AL Tape 0.494 (12.55)	XLPE 0.590 (14.99)	NA	0.168 (0.250)	50±2 (87)	27.0 (88.6)	3,750	-22+221 (-30+105)	Non-Halogen Low Smoke Low Loss





RG CABLES MIL-C-17

Military Part No. M17/	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Armor Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft. (pF/m)	Max Operating Voltage vrms	Temp. Range F (C)	Comments
M17/225-00002	BCCAL 0.175 (4.45)	Foam PE 0.455 (11.56)	33TC:AL Tape 0.494 (12.55)	XLPE 0.590 (14.99)	Alum. Braid 0.665 (16.89)	0.204 (0.304)	50±2 (87)	27.0 (88.6)	3,750	-22+221 (-30+105)	Armored M17/225-00001
M17/226-00001	BC Tube 0.262 (6.65)	Foam PE 0.680 (17.27)	30TC:AL Tape 0.732 (18.59)	XLPE 0.870 (22.10)	NA	0.375 (0.559)	50±2 (87)	27.0 (88.6)	5,250	-22+221 (-30+105)	Non-Halogen Low Smoke Low Loss
M17/226-00002	BC Tube 0.262 (6.65)	Foam PE 0.680 (17.27)	30TC:AL Tape 0.732 (18.59)	XLPE 0.870 (22.10)	Alum. Braid 0.945 (24.00)	0.427 (0.636)	50±2 (87)	27.0 (88.6)	5,250	-22+221 (-30+105)	Armored M17/226-00001
M17/227-00001	BC Tube 0.349 (8.86)	Foam PE 0.920 (23.37)	30TC:AL Tape 0.973 (24.71)	XLPE 1.200 (30.48)	NA	0.686 (1.022)	50±2 (88)	27.0 (88.6)	6,000	-22+221 (-30+105)	Non-Halogen Low Smoke Low Loss
M17/227-00002	BC Tube 0.349 (8.86)	Foam PE 0.920 (23.37)	30TC:AL Tape 0.973 (24.71)	XLPE 1.200 (30.48)	Alum. Braid 1.300 (33.02)	0.758 (1.129)	50±2 (88)	27.0 (88.6)	6,000	-22+221 (-30+105)	Armored M17/227-00001
M17/228-00001	BC Tube 0.527 (13.39)	Foam PE 1.35 (34.29)	30TC:AL Tape 1.401 (35.59)	XLPE 1.670 (42.42)	NA	1.02 (1.520)	50±2 (89)	27.0 (88.6)	7,500	-22+221 (-30+105)	Non-Halogen Low Smoke Low Loss
M17/228-00002	BC Tube 0.527 (13.39)	Foam PE 1.35 (34.29)	30TC:AL Tape 1.401 (35.59)	XLPE 1.670 (42.42)	Alum. Braid 1.770 (44.96)	1.20 (1.785)	50±2 (89)	27.0 (88.6)	7,500	-22+221 (-30+105)	Armored M17/228-00001

CATV CABLES

Low Loss Shipboard Entertainment Interconnect • Low Smoke

Military Part No.	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms	Capacitance pF/ft. (pF/m)	Velocity %	Temp. Range F (C)	Frequency Range Attenuation Typical
AA-6899 LSRG-11 Quad	BCCS 0.06 (1.52)	Foam PE 0.290 (7.37)	Quad-Shield 0.35 (8.89)	XLPE 0.430 (10.90)	0.073 (0.109)	75±3	16.5 (54.14)	82	-40+185 (-40+85)	.05 to 1.0GHz 4.5 dB/100' @1.0GHz
AA-6900 LSRG-6 Quad	BCCS 0.04 (1.02)	Foam PE 0.180 (4.57)	Quad-Shield 0.24 (6.10)	XLPE 0.297 (7.54)	0.033 (0.049)	75±3	16.5 (54.14)	82	-40+185 (-40+85)	.05 to 1.0GHz 6.0 dB/100' @1.0GHz
AA-6901 LSRG-59 Quad	BCCS 0.034 (0.86)	Foam PE 0.146 (3.71)	Quad-Shield 0.21 (5.33)	XLPE 0.262 (6.65)	0.027 (0.040)	75±3	16.5 (54.14)	82	-40+185 (-40+85)	.05 to 1.0GHz 7.7 dB/100' @1.0GHz



Common Phrase of Navy Origin



“SQUARED AWAY”

This is a phrase borrowed from square-rigger days. When a square-rigged ship braced her yards before the wind, she was “squared away.”



Your wire & cable needs will be **Squared Away** with Seacoast. Our goal is complete and total customer satisfaction before and after the sale.



**MIL-PRF-
-85045**



MIL-PRF-85045

MIL-PRF-85045 are low smoke, zero halogen shipboard fiber optic cables. Compared to copper control, signal, and data cables, M85045 cables provide performance with enhancements for security, information integrity, and increased bandwidth. The cables are constructed with radiation-hardened fibers, and must pass stringent, rigorous performance tests such as acid gas, smoke generation, flame propagation, fluid immersion, thermal shock, high pressure water-blocking, and more.



MIL-PRF-85045





ITEM

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Radhard, Singlemode and 62.5 um Multimode



SHIPBOARD LSZH FIBER OPTIC CABLES

MIL-PRF-85045 MIL-PRF-49291

Singlemode (SM) or Multimode (MM) Fibers • Thermoset or Thermoplastic Jacket • Flexible • Gigabit Ready

Central Strength Member – dielectric epoxy/fiberglass rod; strippable 900µm tight buffer; OFCC Strength Member – Aramid yarn with water blocking; OFCC Jacket – Low smoke, zero halogen thermoplastic. Cabling – OFCC subunits are bundled with strands of a water-blocking yarn, wrapped in a water-blocking tape and encased in water-blocked aramid yarn. Thermoset or Thermoplastic Jacket – Low smoke, zero halogen polyolefin for resistance to chemicals, fluids, fungus and abrasion. The cross-linked thermoset version is more rugged with increased resistance to thermal aging, fluids, and abrasion.

Military Part No. M85045/	Cable O.D. inch (mm)	Jacket Type	Number of Fibers	Fiber Type	Installation (Short Term) Bend Radius Inch (mm)	Installation (Short Term) Tension Lbs. (Newtons)	Operating (Long Term) Bend Radius Inch (mm)	Operating (Long term) Tension Lbs. (Newtons)	Approx. Cable Weight Lbs / Mft (Kg / KM)
M85045/16-01	.078 (2.0)	Thermoplastic	1	Multimode	.63 (1.6)	50 (220)	1.26 (3.2)	22 (100)	3 (4.5)
M85045/16-02	.078 (2.0)	Thermoplastic	1	Singlemode	.63 (1.6)	50 (220)	1.26 (3.2)	22 (100)	3 (4.5)
M85045/17-01P	.445 (11.3)	Thermoset	8	Multimode	3.5 (9.0)	625 (2775)	7.0 (18.0)	125 (555)	77 (115)
M85045/17-02P	.445 (11.3)	Thermoset	8	Singlemode	3.5 (9.0)	625 (2775)	7.0 (18.0)	125 (555)	77 (115)
M85045/18-01P	.325 (8.26)	Thermoset	4	Multimode	2.6 (6.6)	454 (2015)	5.2 (13.2)	94 (418)	40 (60)
M85045/18-02P	.325 (8.26)	Thermoset	4	Singlemode	2.6 (6.6)	454 (2015)	5.2 (13.2)	94 (418)	40 (60)
M85045/20-01M	.850 (21.6)	Thermoset	36	Multimode	6.8 (17.3)	740 (3300)	13.6 (34.5)	245 (1080)	294 (437)
M85045/20-02M	.850 (21.6)	Thermoset	36	Singlemode	6.8 (17.3)	740 (3300)	13.6 (34.5)	245 (1080)	294 (437)
M85045/21-01	.560 (14.2)	Thermoset	8	Multimode	4.5 (11.4)	605 (2700)	9.0 (23.0)	160 (710)	146 (217)
M85045/21-02	.560 (14.2)	Thermoset	8	Singlemode	4.5 (11.4)	605 (2700)	9.0 (23.0)	160 (710)	146 (217)
M85045/22-01E	.570 (14.5)	Thermoset	18	Multimode	4.5 (11.4)	740 (3300)	9.0 (23.0)	172 (765)	132 (195)
M85045/22-02E	.570 (14.5)	Thermoset	18	Singlemode	4.5 (11.4)	740 (3300)	9.0 (23.0)	165 (725)	132 (195)
M85045/22-03E-XX XX	.570 (14.5)	Thermoset	18	SM & MM	4.5 (11.4)	740 (3300)	9.0 (23.0)	165 (725)	132 (195)
M85045/23-01	.700 (17.8)	Thermoset	18	Multimode	5.6 (14.0)	740 (3300)	11.2 (28.5)	200 (890)	217 (323)
M85045/23-02	.700 (17.8)	Thermoset	18	Singlemode	5.6 (14.0)	740 (3300)	11.2 (28.5)	200 (890)	217 (323)
M85045/24-01	1.53 (38.9)	Thermoset	90	Multimode	12.3 (31.2)	N/A	24.6 (62.5)	N/A	900 (1340)
M85045/24-02	1.53 (38.9)	Thermoset	90	Singlemode	12.3 (31.2)	N/A	24.6 (62.5)	N/A	900 (1340)





Fiber Performance Application Specifications	Multi-Mode MIL-PRF-49291/6	Single Mode MIL-PRF-49291/7
Core Diameter	62.5um ± 3um	8.3um Nominal
Cladding Diameter	125um ± 1um	125um ± 1um
Coating Diameter	250um ± 15um	250um ± 15um
Buffer Diameter	900um ± 50um	900um ± 50um
Numerical Aperture	0.275 nominal	N/A
Mode Field Diameter	N/A	9.3um ± 0.5um
Max. Attenuation	3.5dB/km @ 850nm	1.0 dB/km @ 1310nm
-	1.5 dB/km @ 1300nm	1.0 dB/km @ 1550nm
Min. Bandwidth	350 MHz-km @ 850nm	N/A
(Overfilled)	800 MHz-km @ 1300nm	N/A
Dispersion	N/A	3.2ps/nm-Km @ 1310nm
-	N/A	22ps/nm-Km @ 1550nm
Proof Test	100,000 psi	100,000 psi
Radiation Resistance	per MIL-PRF-49291	per MIL-PRF-49291

Cable Specification Application Specifications	Thermoplastic M85045/13 & /15	Thermoset M85045/17 & /18
Strength Member	Water-blocked aramid yarn	Water-blocked aramid yarn
OFCC nominal diameter	2.0 mm (0.079 in)	2.0 mm (0.079 in)
Storage Temperature	-40°C to + 70°C	-40°C to + 75°C
Operating Temperature	- 28°C to +65°C	- 28°C to +65°C
Life Aging	240 hours @ 110°C	240 hours @ 110°C
Smoke Index, NES 711	< 25	< 25
Toxicity, NES 713	< 5	< 5
Halogen Content	< 0.2% by weight	< 0.2% by weight
Flammability	UL-1685 NFPA 262 (Modified)	UL-1685 NFPA 262 (Modified)
Crush Resistance	2.000N per cm of outer cable diameter	2.000N per cm of outer cable diameter
Abrasion Resistance	250 cycles	750 cycles
Low Temp Flexibility	-28°C	-40°C
Tempest	Comply	Comply
Fluid Immersion-Lubricating Oil	24 hours @ 75°C	24 hours @ 100°C
Fluid Immersion-Fuel Oil	24 hours @ 35°C	24 hours @ 100°C
Cable to Cable Abrasion	150 cycles	500 cycles





SEACOAST

FutureFLEX® BLOWN OPTIC FIBER (BOF) MIL-PRF-85045

The FutureFLEX® system uses a patented blowing method to blow compact fiber bundles through Low Smoke, Zero Halogen tubes for installation of naval shipboard LAN infrastructure. It provides a QPL Certified system of high density, compact, low-weight mission critical network backbones on-board US Navy vessels.

FutureFLEX® series tube cables provide a small diameter, lightweight, pathway for fiber bundle installations. In shipboard applications, bundles are available in Radiation Hardened Single-mode and 62.5/125 micron Multimode versions with 6- and 18- fiber strand counts. One fiber bundle can be field-installed in each tube.

Sumitomo's FutureFLEX® NA4 LS/ZH series tube cables have successfully met the requirements of MIL-PRF-85045; reference Test Report Number 85045-2943-10.

TUBE CABLES MIL-PRF-85045

The individual tubes are made of black, low-smoke zero-halogen thermoplastic with a LSZH thermoplastic inner liner. Each tube has a 6mm inside diameter, 8mm outside diameter.

- In the Single tube design, the tube is wrapped with served polyester yarns with a blue LSZH thermoplastic outer jacket.
- In the Multi-tube design, the individual tubes are wrapped with a non-conductive water-blocking tape and aramid yarn binder. Black LSZH thermoplastic rods installed between tubes, an outer layer of water-blocking tape wrapped overall. An aramid yarn ripcord, and a blue LSZH thermoplastic outer jacket.

Military Part No. M85045/	Part Number	Description	Color	Outside Diameter inch (mm)	Max Weight (lbs. / mft.)	Max Tensile Load (lbs.)	Standard Length	Max Length Feet
/25-01S	TC07NA4	Seven Tubes, Low Smoke, Zero Halogen (LS/ZH) Tube Cable	Blue	1.200	438	400	1,000	3,000
/26-01S	TC01NA4	Single Tube, Low Smoke, Zero Halogen (LS/ZH) Tube Cable	Blue	0.455	65	60	1,000	3,000





FIBER BUNDLES - Radhard, Singlemode & 62.5um Multimode MIL-PRF-85045

Fiber bundles are made up of either six or eighteen individual fibers, of either singlemode or multimode radiation hardened fiber.

- Singlemode optical fiber is a step index dispersion unshifted fiber with a glass core, glass cladding and dual acrylate protective coatings. SM fiber in accordance with MIL-PRF-49291/7.
- Multimode, gigabit grade 62.5/125 OM1 fiber is a graded index fiber with glass core, glass cladding and dual acrylate protective coatings. MM fiber in accordance with MIL-PRF-49291/6.

The required number of color coded fibers bundled with a ripcord, Polyethylene extruded foam (PEF) jacket in either yellow (SM) or blue (MM).

Military Part No. M85045/	Part Number	Description	Color	Outside Diameter inch (mm)	Max Weight (lbs. /mft.)	Standard Length	Max Length Feet
/27-02	FR06SR	Singlemode, Radhard, 6-Fiber	Yellow	.08 (2.0)	1.3	14,000	~16,000
/29-0218	FR18SR	Singlemode, Radhard, 18-Fiber	Yellow	.12 (3.0)	3.4	7,000	~9,000
/27-01	FR06R6	Multimode, Radhard, 6-Fiber	Blue	.08 (2.0)	1.3	14,000	~16,000
/29-0118	FR18R6	Multimode, Radhard, 18-Fiber	Blue	.12 (3.0)	3.4	7,000	~9,000



Navy Service Song

(Unofficial)



“ANCHORS AWEIGH”

(Original)

Stand Navy out to sea, Fight our Battle Cry;
We'll never change our course,
So vicious foe steer shy-y-y-y.
Roll out the TNT, Anchors Aweigh. Sail on to Victory
and sink their bones to Davy Jones, hooray!

Anchors Aweigh, my boys, Anchors Aweigh.
Farewell to foreign shores,
We sail at break of day-ay-ay-ay.
Through our last night on shore, Drink to the foam,
Until we meet once more.
Here's wishing you a happy voyage home.

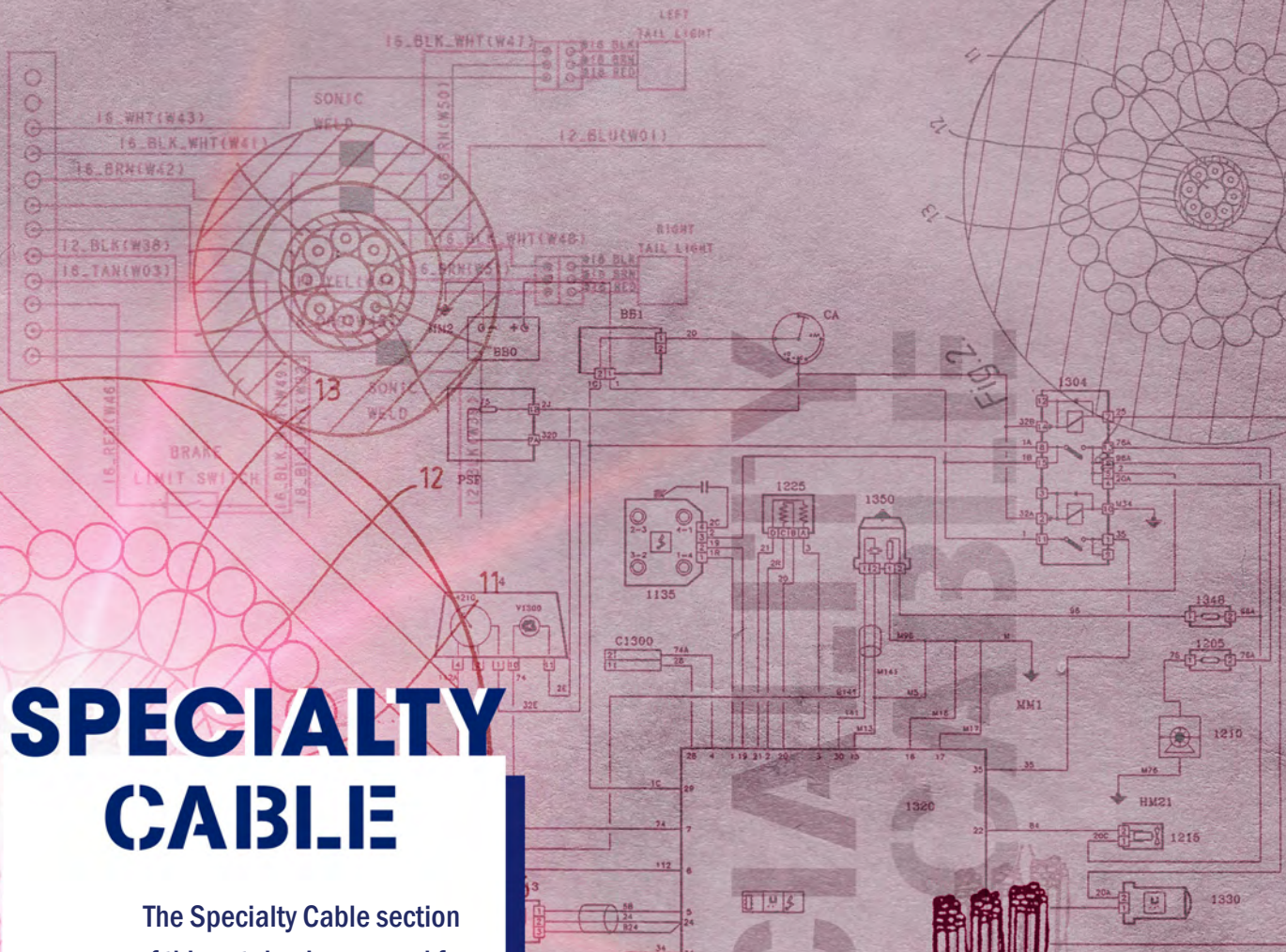
Blue of the Mighty Deep Gold of God's Sun
Let these colors be till all of time
be done, done, done.
On the seven seas we learn Navy's stern call:
Faith, Courage, Service true, with Honor,
Over Honor, Over All.





SPECIALTY CABLE

CONNECTS TO
12 POSITION
CONNECTOR
FOR DC-DC
CONVERTER
OR LIGHTS



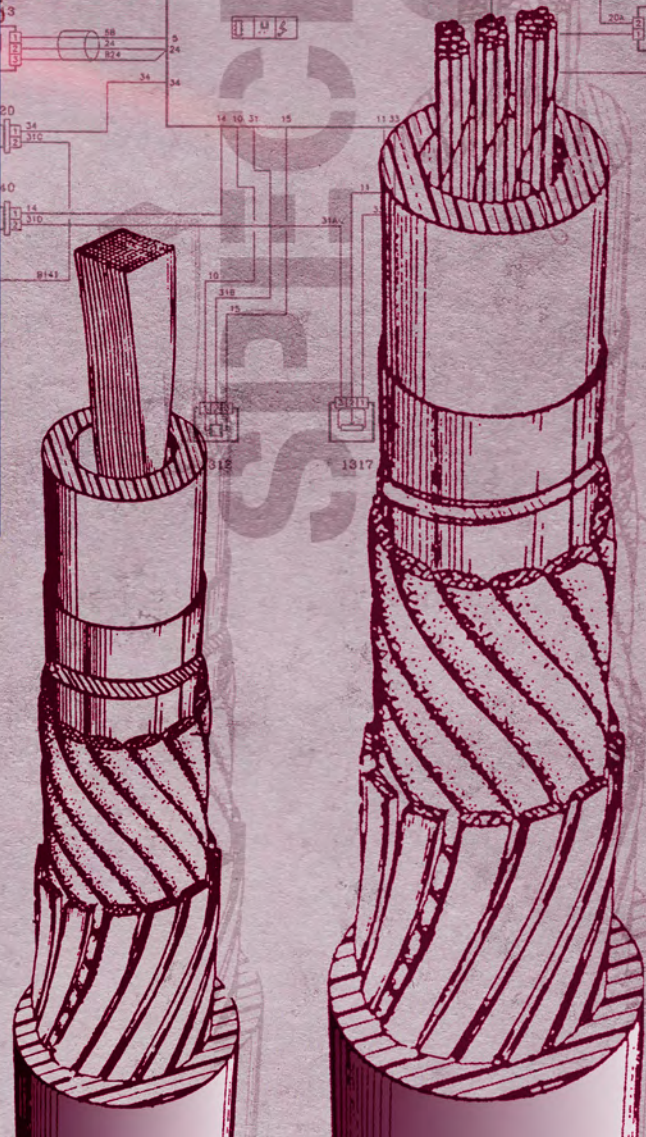
SPECIALTY CABLE

The Specialty Cable section of this catalog is reserved for individual specifications on specialty cables. Specifications included in this section are various types of military cables including Radio Frequency Cable and CATV Cable.



- 50 Ω
- 40 GHz
- 95 pF/m
- 70.6 %
- 4.72 ns/m
- $\geq 1 \times 10^8$ M Ω m
- >90 dB (up to 18 GHz)
- 1.5 kV_{rms} (at sea level)
- 3.5 kV_{rms} (50 Hz/1 min)

- 2.1 kg/100 m
- 6 mm
- 20 mm





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SEACOAST

NAVSEA 6262065-1

Radio Frequency Cable

12 Gauge • Triaxial • Low Level Serial • Watertight • Low Smoke

12 gauge, stranded silver coated copper with dielectric core of cross-linked foam Polyethylene. Silver plated copper conductor inner shield braid; Filled, cross-linked thermoset Low Smoke, Low Halogen polymer inner jacket; Optimized silver coated copper outer shield braid. Filled, cross-linked thermoset Low Smoke, Low Halogen polymer jacket per M24643. See NAVSEA spec for additional performance characteristics.

NAVSEA P/N	AWG Size	Cable Diameter inch	Characteristic Impedance Ohms	Velocity of Propagation	Maximum Capacitance Pf/ft	Maximum Cable Weight Lbs / Mft
6262065-1	12	0.450 ± .010	50 ± 2	77 ± 3%	29	165

NAVSEA 6322493

Radio Frequency Cable

18 Gauge • Triaxial • Non-Watertight

18 gauge, stranded tin coated copper with dielectric core of cross-linked foam Polyethylene. Tin coated copper inner shield braid; Polyester tape wrap; Filled, cross-linked Low Smoke, Low Halogen polymer Thermoset inner jacket; Optimized tin coated copper outer shield braid; Polyester tape wrap. Filled, cross-linked Low Smoke, Low Halogen polymer Thermoset jacket per M24643.

NAVSEA P/N	AWG Size	Cable Diameter inch	Characteristic Impedance Ohms	Min. Velocity of Propagation	Maximum Capacitance Pf/ft	Maximum Cable Weight Lbs / Mft
6322493	18	0.485 ± .015	75 ± 3	73%	20	160





NAVSEA 6323052

Radio Frequency Cable

12 Gauge • Coaxial • Flexible • Non-Watertight • Double Shield • Low Smoke

12 gauge, stranded silver plated copper with dielectric core of cross-linked foam Polyethylene. Silver coated copper inner shield braid; Polyester tape wrap; Optimized silver coated copper outer shield braid; Polyester tape wrap. Composite jacket material of extruded Low Smoke, Low Halogen bedding compound bonded to filled, cross-linked thermoset Low Smoke, Low Halogen polymer compound jacket, Method B.

NAVSEA P/N	AWG Size	Cable Diameter inch	Characteristic Impedance Ohms	Velocity of Propagation	Maximum Capacitance Pf/ft	Maximum Cable Weight Lbs / Mft
6323052	12	0.415 ± .010	50 ± 2	80 ± 3%	29	130

NAVSEA 6323054

Radio Frequency Cable

18 Gauge • Coaxial • Flexible • Non-Watertight • Double Shield • Low Smoke

18 gauge, stranded tin coated copper with dielectric core of cross-linked foam Polyethylene. Optimized tin coated copper inner shield braid; Polyester tape wrap; Optimized tin coated copper outer shield braid; Polyester tape wrap. Composite jacket material of extruded Low Smoke, Low Halogen bedding compound bonded to filled, cross-linked thermoset Low Smoke, Low Halogen polymer compound jacket, Method B.

NAVSEA P/N	AWG Size	Cable Diameter inch	Characteristic Impedance Ohms	Nom. Velocity of Propagation	Maximum Capacitance Pf/ft	Maximum Cable Weight Lbs / Mft
6323054	18	0.420 ± .008	75 ± 3	73%	20	132





SEACOAST

NAVSEA 6323055

Radio Frequency Cable

20 Gauge • Twinaxial • Non-Watertight • Low Smoke

20 gauge, two conductors each, stranded tin coated copper with dielectric core of cross-linked foam Polyethylene, each core one colored white and one colored black. Cross linked Polyethylene filler core, flame retardant, strands to be used to maintain concentricity. Polyester tape wrap; Optimized tin coated copper shield braid. Composite jacket material of extruded Low Smoke, Low Halogen bedding compound bonded to filled, cross-linked thermoset Low Smoke, Low Halogen polymer compound jacket, Method B.

NAVSEA P/N	AWG Size	Cable Diameter inch	Characteristic Impedance Ohms	Nom. Velocity of Propagation	Maximum Capacitance Pf/ft	Maximum Cable Weight Lbs / Mft
6323055	20	0.275 ± .006	78 ± 5	74%	24	60

NAVSEA 6323056

Radio Frequency Cable

20 Gauge • Triaxial • Flexible • Non-Watertight • Low Smoke

20 gauge, stranded tin coated copper with dielectric core of cross-linked foam Polyethylene. Tin coated copper inner shield braid; Filled, cross-linked thermoset, Low Smoke, Low Halogen polymer inner jacket; Optimized tin coated copper outer shield braid. Composite jacket material of extruded Low Smoke, Low Halogen bedding compound bonded to filled, cross-linked thermoset Low Smoke, Low Halogen polymer compound jacket, Method B.

NAVSEA P/N	AWG Size	Cable Diameter inch	Characteristic Impedance Ohms	Velocity of Propagation	Maximum Capacitance Pf/ft	Maximum Cable Weight Lbs / Mft
6323056	20	0.283 ± .006	50 ± 2	70 ± 3%	32.2	70





NAVSEA 6323059

Radio Frequency Cable

24 Gauge • Triaxial • Flexible • Light Weight • Non-Watertight • Low Smoke

24 gauge, stranded tin coated copper with dielectric core of cross-linked foam Polyethylene. Tin coated copper inner shield braid; Filled, cross-linked thermoset Low Smoke, Low Halogen polymer inner jacket; Optimized tin coated copper outer shield braid. Composite jacket material of extruded Low Smoke, Low Halogen bedding compound bonded to filled, cross-linked thermoset Low Smoke, Low Halogen polymer compound jacket, Method B.

NAVSEA P/N	AWG Size	Cable Diameter inch	Characteristic Impedance Ohms	Velocity of Propagation	Maximum Capacitance Pf/ft	Maximum Cable Weight Lbs / Mft
6323059	24	0.325 ± .006	75 ± 3	70 ± 3%	20	85

CATV CABLES

Low Loss Shipboard Entertainment Interconnect • Low Smoke

Military Part No.	Conductor No. Inch (mm)	Dielectric Inch (mm)	Shields Inch (mm)	Jacket Inch (mm)	Cable Weight lb./ft. (kg/m)	Impedance ohms	Capacitance pF/ft. (pF/m)	Velocity %	Temp. Range F (C)	Frequency Range Attenuation Typical
AA-6899 LSRG-11 Quad	BCCS 0.06 (1.52)	Foam PE 0.290 (7.37)	Quad-Shield 0.35 (8.89)	XLPE 0.430 (10.90)	0.073 (0.109)	75±3	16.5 (54.14)	82	-40+185 (-40+85)	.05 to 1.0GHz 4.5 dB/100' @1.0GHz
AA-6900 LSRG-6 Quad	BCCS 0.04 (1.02)	Foam PE 0.180 (4.57)	Quad-Shield 0.24 (6.10)	XLPE 0.297 (7.54)	0.033 (0.049)	75±3	16.5 (54.14)	82	-40+185 (-40+85)	.05 to 1.0GHz 6.0 dB/100' @1.0GHz
AA-6901 LSRG-59 Quad	BCCS 0.034 (0.86)	Foam PE 0.146 (3.71)	Quad-Shield 0.21 (5.33)	XLPE 0.262 (6.65)	0.027 (0.040)	75±3	16.5 (54.14)	82	-40+185 (-40+85)	.05 to 1.0GHz 7.7 dB/100' @1.0GHz



Famous Navy Quote:



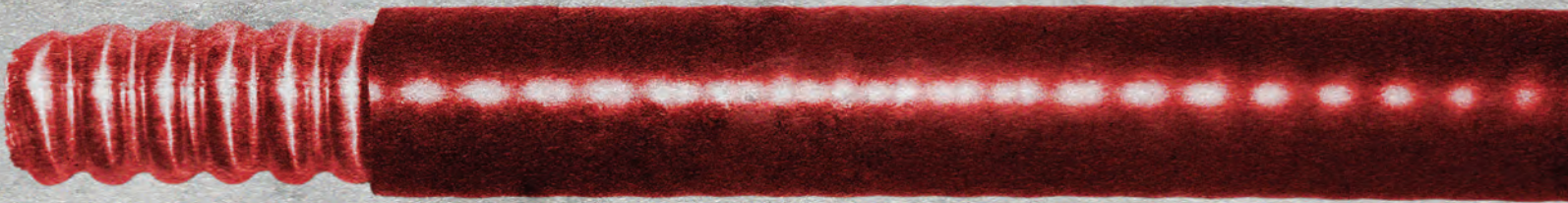
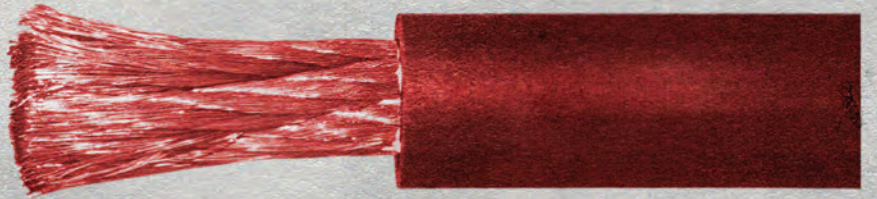
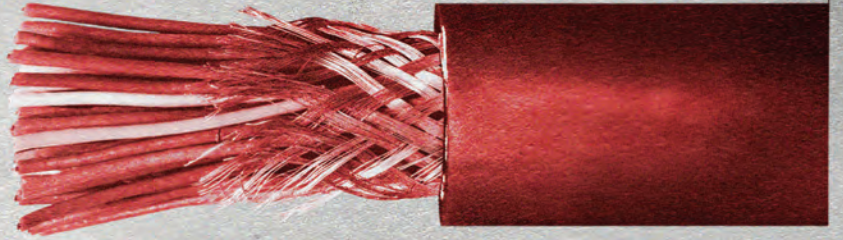
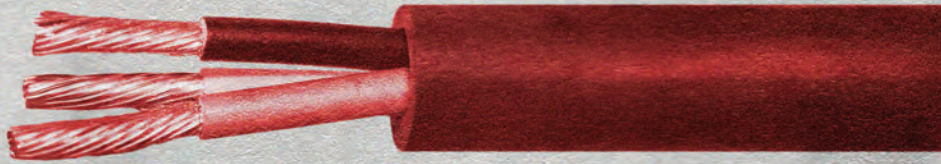
“The Navy has both a tradition and a future, and we look with pride and confidence in both directions.”

-Admiral George Anderson



Seacoast too has both a long tradition and an exciting future. We look with pride and confidence in both directions.





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General Terminology

Thermoplastic - Materials that soften and flow when heated. Usually possess a definite melting point. The material will become firm again upon cooling. These materials can be molded and shaped with a heating and cooling process (the process can be repeated). Extrusion of melt flow polymers on wire is an example of this type of material.

Thermoset - Materials are soft and pliable during one stage of processing. They can be molded and extruded at this state after which they are set or cured, usually at a higher temperature. After the setting process (crosslinking) is complete, they can not be softened by re-heating resulting in improved heat and solvent resistance properties over thermoplastic materials.

Insulation - Materials possessing good dielectric properties used on wire components in cable, usually as direct covering on conductors.

Jacket - Materials that provide protection in mechanical and chemical properties applied as a direct covering over cable components. The choice of materials for cable design to satisfy any given combination of installation and environmental conditions can often be more critical than the electrical requirements.

Non-Halogen Compounds

Over the last few years, non-halogen flame retardant reduced emissions compounds have been developed in response to a growing demand for products which offer greater protection against fatalities, injuries and property damage caused by fire. When burned, cables made with non-halogen flame retardant compounds give off as little as one quarter the smoke and fumes of conventional cable materials. These compounds have good crush and deformation resistance, good flexibility, excellent long term aging properties and physical integrity at low temperatures. Cables made with these compounds will meet the flame and smoke requirements of UL 1385 and can be designated as “LS” or Low Smoke.





Copper Conductor and Stranding Data 36AWG through 12AWG

Stranded conductors provide better flexibility and longer flex life. From a practical standpoint, stranded conductors offer longer service life than solid conductors. For a given size of a conductor, increasing the number of strands while reducing the size of the individual strands will increase the conductor flexibility.

Approx. OD	Lbs/1000 ft.	Circular Mils	Size AWG/CM	Class AA	Class A	Class B	Class C	Class D	Class G	Rope Strand (Flexible)		
										Class H	Class K 30 AWG (.010")	Class M 34 AWG (.0063")
.0050	.0757	25.00	36	-	-	-	-	-	-	-	-	-
.0056	.0954	31.52	35	-	-	-	-	-	-	-	-	-
.0063	.1203	39.75	34	-	-	-	-	-	-	-	-	-
.0071	.1517	50.13	33	-	-	-	-	-	-	-	-	-
.0080	.1913	63.21	32	-	-	-	-	-	-	-	-	-
.0089	.2413	79.70	30	-	-	-	-	-	-	-	-	-
.0100	.3042	100.5	30	-	-	-	-	-	-	-	-	-
.0113	.3836	126.7	29	-	-	-	-	-	-	-	-	-
.0126	.4837	159.8	28	-	-	-	-	-	-	-	-	-
.0142	.6100	201.5	27	-	-	-	-	-	-	-	-	-
.0159	.7692	254.1	26	-	-	-	-	-	-	-	-	-
.0179	.9699	320.4	25	-	-	-	-	-	-	-	-	-
.0201	1.223	404.0	24	-	-	-	-	-	-	-	-	-
.0226	1.542	509.5	23	-	-	-	-	-	-	-	-	-
.0254	1.945	642.4	22	-	-	-	-	-	-	-	-	-
.0285	2.452	810.1	21	-	-	-	-	-	-	-	-	-
.0363	3.154	1,020	20	-	-	7	19	-	-	-	10	26
.0456	5.015	1,620	18	-	-	7	19	-	-	-	16	41
.0576	7.974	2,580	16	-	-	7	19	-	-	-	26	65
.0726	12.68	4,110	14	-	-	7	19	37	49	-	41	104
.0915	20.16	6,530	12	-	-	7	19	37	49	-	65	186





Copper Conductor and Stranding Data 10AWG through 1000MCM

Stranded conductors provide better flexibility and longer flex life. From a practical standpoint, stranded conductors offer longer service life than solid conductors. For a given size of a conductor, increasing the number of strands while reducing the size of the individual strands will increase the conductor flexibility.

Approx. OD	Lbs/1000 ft.	Circular Mills	Size AWG/CM	Class AA	Class A	Class B	Class C	Class D	Class G	Rope Strand (Flexible)		
										Class H	Class K 30 AWG (.010")	Class M 34 AWG (.0063")
.1160	32.06	10,380	10	-	-	7	19	37	49	-	104	259
.1600	40.42	13,090	9	-	-	7	19	37	49	133	-	-
.1460	51	16,510	8	-	-	7	19	37	49	133	168	420
.1840	80.9	26,240	6	-	-	7	19	37	49	133	266	665
.2320	129	41,740	4	3	7	7	19	37	49	133	420	1064
.2600	162	52,620	3	3	7	7	19	37	49	133	532	1323
.2990	205	66,630	2	3	7	7	19	37	49	133	665	1666
.3320	259	83,690	1	3	7	19	37	61	133	259	836	2107
.3730	326	105,600	1/0	7	7	19	37	61	133	259	1064	2646
.4190	411	133,100	2/0	7	7	19	37	61	133	259	1323	3325
.4700	518	167,800	3/0	7	7	19	37	61	133	259	1666	4256
.5280	653	211,600	4/0	7	7	19	37	61	133	259	2107	5320
.5750	772	250,000	250,000	12	19	37	61	91	259	427	2499	6384
.6300	925	300,000	300,000	12	19	37	61	91	259	427	2989	7581
.6810	1080	350,000	350,000	12	19	37	61	91	259	427	3458	8806
.7280	1236	400,000	400,000	19	19	37	61	91	259	427	3990	10,101
.8130	1542	500,000	500,000	19	37	37	61	91	259	427	5054	12,691
.8930	1850	600,000	600,000	37	37	61	91	127	427	703	5985	14,945
.9980	2316	750,000	750,000	37	61	61	91	127	427	703	7581	18,788
1.152	3086	1,000,000	1,000,000	37	61	61	91	127	427	703	10,101	25,193





Table III Identification Codes

MIL-DTL-24643/24640 | MIL-DTL-915

Use these codes to determine the correct color for your conductor or group number. These codes are considered in accordance with Mil-DTL-24643/24640 and Mil-DTL-915, except where noted otherwise on individual mil spec slash sheets.

3.4.8.1 Identification codes.

3.4.8.1.1 Standard identification code. Standard identification code shall be in accordance with table IV.

Color Conductor or Group no.	Back Ground	Color First Tracer	Second Tracer
1	Black	-	-
2	White	-	-
3	Red	-	-
4	Green	-	-
5	Orange	-	-
6	Blue	-	-
7	White	Black	-
8	Red	Black	-
9	Green	Black	-
10	Orange	Black	-
11	Blue	Black	-
12	Black	White	-
13	Red	White	-
14	Green	White	-
15	Blue	White	-
16	Black	Red	-
17	White	Red	-
18	Orange	Red	-
19	Blue	Red	-
20	Red	Green	-
21	Orange	Green	-
22	Black	White	Red
23	White	Black	Red
24	Red	Black	White
25	Green	Black	White
26	Orange	Black	White
27	Blue	Black	White
28	Black	Red	Green
29	White	Red	Green
30	Red	Black	Green
31	Green	Black	Orange
32	Orange	Black	Green

Color Conductor or Group no.	Back Ground	Color First Tracer	Second Tracer
33	Blue	White	Orange
34	Black	White	Orange
35	White	Red	Orange
36	Orange	White	Blue
37	White	Red	Blue
38	Brown	-	-
39	Brown	Black	-
40	Brown	White	-
41	Brown	Red	-
42	Brown	Green	-
43	Brown	Orange	-
44	Brown	Blue	-
45	White	Black	Blue
46	Red	White	Blue
47	Green	Orange	Red
48	Orange	Red	Blue
49	Blue	Red	Orange
50	Black	Orange	Red
51	White	Black	Orange
52	Red	Orange	Black
53	Green	Red	Blue
54	Orange	Black	Blue
55	Blue	Black	Orange
56	Black	Orange	Green
57	White	Orange	Green
58	Red	Orange	Green
59	Green	Black	Blue
60	Orange	Green	Blue
61	Blue	Green	Orange
62	Black	Red	Blue
63	White	Orange	Blue
64	Red	Black	Blue





Table III Identification Codes MIL-DTL-24643/24640 | MIL-DTL-915

Use these codes to determine the correct color for your conductor or group number. These codes are considered in accordance with Mil-DTL-24643/24640 and Mil-DTL-915, except where noted otherwise on individual mil spec slash sheets.

3.4.8.1 Identification codes.

3.4.8.1.1 Standard identification code. Standard identification code shall be in accordance with table IV.

Color Conductor or Group no.	Back Ground	Color First Tracer	Second Tracer
65	Green	Orange	Blue
66	Orange	White	Red
67	Blue	White	Red
68	Black	Green	Blue
69	White	Green	Blue
70	Red	Green	Blue
71	Green	White	Red
72	Orange	Red	Black
73	Blue	Red	Black
74	Black	Orange	Blue
75	Red	Orange	Blue
76	Green	Red	Black
77	Orange	White	Green
78	Blue	White	Green
79	Red	White	Orange
80	Green	White	Orange
81	Blue	Black	Green
82	Orange	White	-
83	Green	Red	-
84	Black	Green	-
85	White	Green	-
86	Blue	Green	-
87	Black	Orange	-
88	White	Orange	-
89	Red	Orange	-
90	Green	Orange	-
91	Blue	Orange	-
92	Black	Blue	-
93	White	Blue	-
94	Red	Blue	-
95	Green	Blue	-
96	Orange	Blue	-

Color Conductor or Group no.	Back Ground	Color First Tracer	Second Tracer
97	Yellow		-
98	Yellow	Black	-
99	Yellow	White	-
100	Yellow	Red	-
101	Yellow	Green	-
102	Yellow	Orange	-
103	Yellow	Blue	-
104	Black	Yellow	-
105	White	Yellow	-
106	Red	Yellow	-
107	Green	Yellow	-
108	Orange	Yellow	-
109	Blue	Yellow	-
110	Black	Yellow	Red
111	White	Yellow	Red
112	Green	Yellow	Red
113	Orange	Yellow	Red
114	Blue	Yellow	Red
115	Black	Yellow	White
116	Red	Yellow	White
117	Green	Yellow	White
118	Orange	Yellow	White
119	Blue	Yellow	White
120	Black	Yellow	Green
121	White	Yellow	Green
122	Red	Yellow	Green
123	Orange	Yellow	Green
124	Blue	Yellow	Green
125	Black	Yellow	Blue
126	White	Yellow	Blue
127	Red	Yellow	Blue





Telephone Identification Code (TEL)

The conductor identification code for telephone cables should be as follows:

Color or Conductor No.	Color	Color or Conductor No.	Color
1	Black	7	Brown
2	White	8	Gray
3	Red	9	Yellow
4	Green	10	Purple
5	Orange	11	Tan
6	Blue	12	Pink

Conductor Pairing. The pairing of conductors for forming pairs should be as follows:

- Number 1 paired with numbers 2 through 12 for next eleven pairs.
- Number 2 paired with numbers 3 through 12 for next ten pairs.
- Number 3 paired with numbers 4 through 12 for next nine pairs.
- Number 4 paired with numbers 5 through 12 for next eight pairs.
- Number 5 paired with numbers 6 through 12 for next seven pairs.
- Number 6 paired with numbers 7 through 12 for next six pairs.
- Number 7 paired with numbers 8 through 12 for next five pairs.
- Number 8 paired with numbers 9 through 12 for next four pairs.
- Number 9 paired with numbers 10 through 12 for next three pairs.
- Number 10 paired with numbers 11 through 12 for next two pairs.
- Number 11 paired with number 12.

Special Identification Code (SPL). The special identification code should be the same conductor identification as specified in 5.4.2.

Twisted Pair Identification Code. This code consists of numbers in sequence running from 1 through the number corresponding to the total quantity of twisted pairs in the cable. Both conductors in each pair must be numbered the same, denoting the sequence number of the pair. Distinction between the two conductors is provided by different colored insulation. Conductors of a cable with a single pair need not be numbered.

Twisted Triad Identification Code. This code consists of numbers in sequence running 1 through the number corresponding to the total quantity of twisted triads in the cable. Each of the three conductors must be numbered the same, denoting the sequence number of the triad. Distinction between the three conductors is provided by different colored insulation. Conductors of a cable with a single triad need not be numbered.

Letter Identification Code (LTR). The letter identification code consists of the letters A, B, C, and D printed in block type, and with the black, white, red, and green ink, respectively.





Wire Gauge Conversion

Size AWG/MCM	Circular Mils	Nominal Cross Section Area mm ²	Solid Wire Nominal Diameter		Lbs per M'	Size Navy Standard	Lbs Per M'
			Inches	mm			
24	404	.204	.0201	.51	1.22	-	-
22	642.4	.321	.0254	.64	1.95	-	-
21	810.1	.412	.0285	.72	2.45	-	-
20	1,020	.52	.0363	.81	3.15	1	3.4
19	1,290	.653	.0409	.91	4.08	-	-
18	1,620	.823	.0456	1.02	5.02	2	5.5
16	2,580	1.31	.0576	1.29	7.97	3	8.7
14	4,110	2.08	0.726	1.63	12.68	4	14
12	6,530	3.31	.0915	2.05	20.16	6	20
10	10,380	5.3	.116	2.59	32.06	9	28
9	13,090	6.6	.130	2.91	40.42	14	44
8	16,510	8.4	.146	3.26	51.0	23	70
6	26,240	13.3	.184	4.12	80.9	30	95
4	41,740	21.15	.232	5.10	129	40	120
3	52,620	26.7	.260	5.83	162	50	150
2	66,630	33.6	.292	6.54	205	60	190
1	83,690	42.4	.332	7.35	259	75	230
1/0	105,600	53.5	.373	8.25	326	100	310
2/0	133,100	67.4	.419	9.27	411	125	390
3/0	167,800	85.0	.470	10.40	518	150	490
4/0	211,600	107.2	.528	11.68	653	200	610
250	250,000	127.0	.575	12.70	772	250	770
300	300,000	152.0	.630	13.91	925	300	910
350	350,000	177.3	.681	15.03	1,080	350	1,100
400	400,000	202.7	.728	16.06	1,236	400	1,300
500	500,000	253.4	.813	17.96	1,544	500	1,600
600	600,000	304.0	.893	19.67	1,850	650	2,000
750	750,000	380.0	.998	22.00	2,316	800	2,600
1,000	1,000,000	506.7	1,152	25.40	3,088	1,000	3,200





SEACOAST

Copper Weights/AWG to Metric

AWG	#M
500 MCM	1534
350 MCM	1090
250 MCM	769
4/0	665
3/0	518
2/0	420
1/0	335
1	260
2	210
4	133
6	82
8	52
10	32
12	20
14	13
16	8
18	5
20	3
22	2
24	1.4
26	0.84

AWG	MM ²
30	0.05
28	0.08
26	0.14
24	0.25
22	0.34
21	0.38
20	0.5
18	0.75
17	1
16	1.5
14	2.5
12	4
10	6
8	10

AWG	MM ²
6	16
4	25
2	35
1	50
1/0	55
2/0	70
3/0	95
4/0	120
300MCM	150
350MCM	185
500MCM	240
600MCM	300
750MCM	400
1,000MCM	500





Metric Conversions (Part 1)

To Convert From	To	Multiply By
AREA		
Circular mils	Square inches	.000007854
Circular mils	Square miles	.7854
Circular mils	Square millimeters	.0005066
Square centimeters	Square inches	.155
Square feet	Square meters	.0929
Square inches	Circular mils	1,273,240
Square inches	Square centimeters	6.4516
Square inches	Square millimeters	645.16
Square inches	Square miles	1,000,000.
Square meters	Square feet	10.764
Square millimeters	Square inches	.00155
Square millimeters	Circular mils	1,973.51
Square mils	Circular mils	1.2732
Square mils	Square inches	.000001

To Convert From	To	Multiply By
LENGTH		
Centimeters	Inches	.3937
Centimeters	Feet	.03281
Feet	Centimeters	30.48
Feet	Meters	.3048
Inches	Centimeters	2.54
Inches	Meters	.0254
Inches	Millimeters	25.4
Inches	Mils	1,000.
Kilometers	Miles	0.6214
Meters	Feet	3.2808
Meters	Inches	39.3701
Meters	Yards	1.0936
Miles	Kilometers	1.6093
Millimeters	Inches	.03937
Millimeters	Mils	39.3701
Mils	Inches	.001
Mils	Millimeters	.0254
Yards	Meters	0.9144

To Convert From	To	Multiply By
MISCELLANEOUS		
Kilograms	Pounds	2.205
Kilograms per kilometer	Pounds per 1000 feet	.6719
Ohms per kilometer	Ohms per 1000 feet	.3048
Ohms per 1000 feet	Ohms per kilometer	3.2808
Ohms per 1000 yards	Ohms per kilometer	1.0936
Pounds	Kilograms	0.4536
Pounds per 1000 feet	Kilograms per kilometer	1.488
Pounds per 1000 yards	Kilograms per kilometer	0.4960
Pounds per 1000 yards	Pound per kilometer	1.0936
Diameter circle	Circumference circle	3.1416
Diameter circle	Side of equal square	.8862
Diameter sphere cubed	Volume of sphere	.5236
U.S. gallons	Imperial gallons (British)	.8327
U.S. gallons	Cubic feet	.1337
U.S. gallons	Pounds of water (20°C)	8.33
Cubic feet	Pounds of water (4°C)	62.427
Feet of water (4°C)	Pounds per square inch	.4336
Inches of mercury (0°C)	Pounds per square inch	.4912
Knots	Miles per hour	.1516





Metric Conversions (Part 2)

To Convert From	To	Multiply By
POWER		
Foot-Pounds per minute	Horsepower	.000303
Foot-Pounds per minute	Watts	.0226
Foot-Pounds per second	Horsepower	.001818
Foot-Pounds per second	Watts	1.356
Horsepower	Foot-Pounds per minute	33,000.
Horsepower	Foot-Pounds per second	550.
Horsepower	Watts	746.
Kilogram-meters per sec.	Watts	9.807
Watts	Foot-Pounds per minute	44.25
Watts	Foot-Pounds per second	.7375
Watts	Horsepower	.001341
Watts	Kilogram-meters per sec.	.1020

To Convert From	To	Multiply By
POWER		
British thermal units	Foot-pounds	778.
British thermal units	Joules	1,055.
British thermal units	Watt-hours	.293
Foot-pounds	British thermal units	.001285
Foot-pounds	Joules	1.356
Foot-pounds	Kilogram-meters	.1383
Gram calories	Joules	4.186
Joules	British thermal units	.000947
Joules	Ergs	107.
Joules	Foot-pounds	.7375
Joules	Gram-calories	.2388
Joules	Kilogram-meters	.10198
Kilogram-meters	Foot-pounds	7.233
Kilogram-meters	Joules	9.8117
Watt-hours	British thermal units	3.4126





Weights, Measures, Temperature

Conversions from one imperial measurement to another as well as temperature conversions are presented on this page.

Avoirdupois Weight	
1 Hundredweight	100 Pounds
1 Hundredweight	4 Quarters
1 Short Ton	2000 Pounds
1 Short Ton	20 Hundredweight
1 Short Ton	0.9071 Long Tons
1 Long Ton	2240 Pounds
1 Long Ton	1.1023 Tons

Dry Measure	
1 Quart	2 Pints
1 Peck	8 Quarts

Liquid Measure	
1 Pint	4 Gills
1 Quart	2 Pints
1 Gallon	4 Quarts

Square Measure	
1 Square Inch	1,000,000 Square Mils
1 Square Foot	144 Square Inches
1 Square Yard	9 Square Feet
1 Square Rod	30 1/4 Square Yards

Linear Measure	
1 Inch	1000 Mils
1 Link	7.92 Inches
1 Foot	12 Inches
1 Yard	3 Feet
1 Fathom	6 Feet
1 Rod	5 1/2 Yards
1 Chain	100 Links
1 Chain	66 Feet
1 Furlong	40 Rods
1 Statute Mile	8 Furlongs
1 Statute Mile	5280 Feet
1 Nautical Mile	6080 1/4 Feet
1 League	3 Miles

Circular Measure	
1 Minute	60 Seconds
1 Degree	60 Minutes
1 Radian	57.296 Degrees
1 Quadrant	90 Degrees
1 Circle	2 Radians
1 Circle	4 Quadrants
1 Circle	360 Degrees

Temperature Conversion Factors									
C	F	C	F	C	F	C	F	C	F
-50	-58	-10	14	20	68	50	122	110	230
-40	-40	-5	23	25	77	60	140	120	248
-30	-22	0	32	30	86	70	158	130	266
-25	-13	5	41	35	95	80	176	140	284
-20	-4	10	50	40	104	90	194	150	302
-15	5	15	59	45	113	100	212		

C=Centigrade, F=Fahrenheit



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