



Draka

SS Type Hydrophone Cable

rubber watertight shielded shipboard cable / 18, 16 & 14 AWG / multiconductor
MIL-DTL-915/8



Applications

Shielded Hydrophone MIL-SPEC cables were created specifically for military usage. Their watertight and flexible construction makes them ideal for underwater use in submerged hydrophone arrays and for other underwater instruments. Overall shielding resist electromagnetic interference (EMI). A jacket made from polychloroprene helps hold their low-temperature performance and flexibility.

Shielded hydrophone cables meet MIL-DTL-915/8 specifications. They pass the hydrostatic leakage test (open end, 500 PSI for 2 hours), survive -40°C mandrel bend testing and have excellent termination molding characteristics.

Features

Watertight
Flexible at low temperatures
Excellent termination molding compatibility

Availability

Shielded hydrophone Type SS cables are available through Draka authorized distributors.

Construction

1. CONDUCTORS
Seven-strand (Navy Strand) blocked tinned copper.
2. INSULATION
600 volt synthetic rubber.
3. INNER BELTING
Synthetic rubber.
4. SHIELD
Tinned copper braid shield.
5. JACKET
Extruded polychloroprene over synthetic rubber inner layer.
6. SURFACE MARKINGS
As specified per MIL-DTL-915/8.

Ratings

MIL-DTL-915/8

General Data

Voltage withstand:

conductor/conductor 3000 volts RMS
conductor/shield 1000 volts RMS
shield/water 500 volts RMS

Insulation resistance:

conductor/conductor 500 megaohms - 1000 feet
conductor/shield 500 megaohms - 1000 feet
shield/water 250 megaohms - 1000 feet

Mutual capacitance maximum (DSS) 45 pf/foot

Passes hydrostatic leakage test (open end)
500 psi/2 hours



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Part Number	Cable Type & Size	Conductor Number	Conductor Size	Conductor Area mils ² (mm ²)	Conductor Diameter in (mm)	Max. Conductor Resistance ohms/1000'	Cable O.D. min • max in (mm)	Minimum Bend Radius in (mm)	Cable Weight in air • in water Lbs/Mft (Kg/Km)
016270	DSS-2	2	18 AWG	1,779 (0.9)	0.048 (1.22)	6.64	.370 (9.4) • .390 (9.9)	2.2 (56)	120 (179) • 70 (104)
016271	DSS-3	2	16 AWG	2,828 (1.4)	0.060 (1.52)	4.15	.480 (12.2) • .500 (12.7)	2.9 (73)	160 (238) • 76 (113)
009464	DSS-4	2	14 AWG	4,497 (2.3)	0.075 (1.93)	2.57	.480 (12.2) • .500 (12.7)	2.9 (73)	180 (268) • 96 (143)
016273	TSS-2	3	18 AWG	1,779 (0.9)	0.048 (1.22)	6.64	.385 (9.8) • .400 (10.2)	2.3 (59)	140 (283) • 87 (89)
016274	TSS-3	3	16 AWG	2,828 (1.4)	0.060 (1.52)	4.15	.480 (12.2) • .500 (12.7)	2.9 (73)	180 (268) • 96 (143)
016275	TSS-4	3	14 AWG	4,497 (2.3)	0.075 (1.93)	2.57	.480 (12.2) • .500 (12.7)	2.9 (73)	200 (298) • 117 (174)
016276	FSS-2	4	18 AWG	1,779 (0.9)	0.048 (1.22)	6.64	.480 (12.2) • .500 (12.7)	2.9 (73)	180 (268) • 96 (143)
016277	FSS-3	4	16 AWG	2,828 (1.4)	0.060 (1.52)	4.15	.480 (12.2) • .500 (12.7)	2.9 (73)	210 (312) • 126 (187)
016278	FSS-4	4	14 AWG	4,497 (2.3)	0.075 (1.93)	2.57	.600 (15.2) • .625 (15.9)	3.6 (91)	240 (357) • 110 (164)
016730	7SS-2	7	18 AWG	1,779 (0.9)	0.048 (1.22)	6.64	.600 (15.2) • .625 (15.9)	3.6 (91)	240 (357) • 110 (164)

The data herein is approximate and subject to normal manufacturing tolerances. These military specifications are subject to change without notice.

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