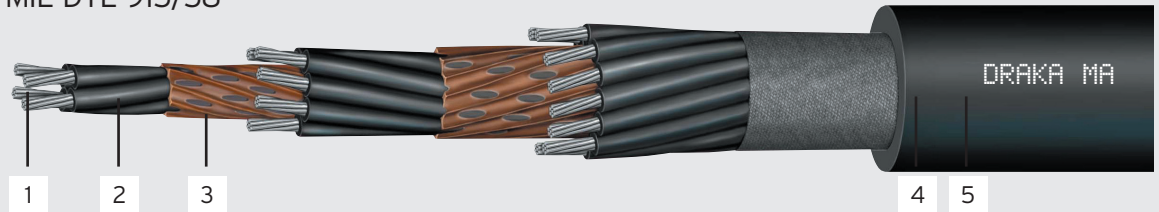




Draka

MWF Type Shipboard Cable

rubber watertight control & instrumentation cable / 18 AWG / multipair
MIL-DTL-915/58



Applications

Type MWF MIL-SPEC cables are widely used for specialty naval military applications. Their weight and flexible construction makes them ideal for underwater applications such as underwater instruments, submarine antennae, and other oceanographic instrumentations.

Features

Watertight
Flexible at low temperatures
Excellent termination molding compatibility

Availability

Type MWF MIL-SPEC cables are available through Draka authorized distributors.

Construction

1. CONDUCTORS
Seven-strand blocked tinned 18 AWG copper.
2. INSULATION
Synthetic rubber with a clear polyamide jacketing.
3. CABLING
DPR water-blocked fillers.
4. JACKET
Extruded arctic polychloroprene.
5. SURFACE MARKINGS
As specified per MIL standards.

Ratings

MIL-DTL-915/58, Type MWF
Voltage withstand:
Conductor-to-conductor 2000 VAC
Conductor-to-water 1000 VAC

General Data

Conductor resistance (max) - 7.05 ohms/1000 ft
Hydrostatic leakage test - no leakage
(open end) 1000 psi, 6 hour
Cold working at -54°C



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Part Number	Cable Type & Size	Conductor Number	Conductor Size	Conductor Area mils ² (mm ²)	Conductor Diameter in (mm)	Cable O.D. min • max in (mm)	Minimum Bend Radius in (mm)	Cable Weight in air • in water Lbs/Mft (Kg/Km)
009634	MWF-7	7	18 AWG	1620 (0.823)	0.046 (1.17)	.480 (12.4) • .500 (12.7)	2.9 (74)	145 (216) • 61 (91)
009635	MWF-10	10	18 AWG	1620 (0.823)	0.046 (1.17)	.605 (15.4) • .635 (16.1)	3.6 (92)	230 (342) • 96 (143)
009636	MWF-14	14	18 AWG	1620 (0.823)	0.046 (1.17)	.605 (15.4) • .635 (16.1)	3.6 (92)	250 (372) • 116 (173)
009637	MWF-19	19	18 AWG	1620 (0.823)	0.046 (1.17)	.710 (18.0) • .745 (18.9)	4.3 (108)	350 (521) • 165 (246)
009638	MWF-24	24	18 AWG	1620 (0.823)	0.046 (1.17)	.800 (20.3) • .835 (21.2)	4.8 (122)	430 (640) • 197 (293)
009639	MWF-30	30	18 AWG	1620 (0.823)	0.046 (1.17)	.905 (23.0) • .945 (24.0)	5.4 (138)	550 (632) • 251 (373)
009640	MWF-37	37	18 AWG	1620 (0.823)	0.046 (1.17)	1.005 (25.5) • 1.045 (26.5)	6.0 (153)	680 (781) • 313 (466)

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

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