

Underwater Multi-Conductor Cables



POLYURETHANE JACKETED UNDERWATER CABLE -20°C to 90°C

CONDUCTORS:

Tinned copper for improved corrosion protection and high strand counts for flexibility.

INSULATION:

Premium grade, moisture resistant polymer. Good heat resistance for soldering and heat molding terminations. Minimum temperature rating of 90°C. Optional constructions to 125°C or 150°C rating insulations.

SHIELDS:

Optional shields may be ordered with an overall light weight aluminum/mylar 100% coverage or braided tin copper 85% min coverage.

*Some constructions are stocked standard with aluminum mylar shields.

WATER BLOCK:

Flexible, clean stripping, pressure resistant elastomer filled-in interstices.

FEATURES:

Rugged multiconductor cables are designed for:

- Continuous underwater use in freshwater or seawater

Falmat's "Xtreme" grade polyurethane jacket:

- Improves abrasion and cut through resistance
- Premium-grade polymer insulation with low moisture absorption characteristics
- 7km depth rated pressure resistant waterblocked core
- Provides a solid cable for various marine applications.

JACKETS:

Falmat's "Xtreme"-grade polyurethane features high abrasion and cut through resistance, 90°C rated, and wall thickness ranging .065"-.095".

* Optional Neoprene rubber may be ordered.

FALMAT P/N	NO.# COND.	NOMINAL O.D.		JKT. WALL NOM.	MIN BEND RADIUS	NOMINAL WEIGHT (Air) (Sea)	
		inch	mm	inch	inch	lb./1000 ft.	lb./1000 ft.
24AWG							
FM091003-2402	2	0.215	5.5	0.060	2.50	21	5
FM091003-2403	3	0.230	5.8	0.065	2.50	24	6
FM091003-2404	4	0.245	6.2	0.065	2.50	28	7
FM091003-2406	6	0.275	7.0	0.068	3.00	36	10
FM091003-2408	8	0.315	8.0	0.068	3.50	48	13
FM091003-2412	12	0.325	8.3	0.068	3.50	55	18
FM091003-2419	19	0.375	9.5	0.072	4.00	75	26
FM091003-2424	24	0.420	10.7	0.072	4.50	97	35
22AWG							
FM091003-2202	2	0.240	6.1	0.065	2.50	27	7
FM091003-2203	3	0.260	6.6	0.070	3.00	32	8
FM091003-2204	4	0.275	7.0	0.070	3.00	36	10
FM091003-2206	6	0.305	7.7	0.070	3.50	48	15
FM091003-2208	8	0.365	9.3	0.072	4.00	67	20
FM091003-2212	12	0.380	9.7	0.075	4.00	77	26
FM091003-2219	19	0.435	11.0	0.080	4.50	104	37
FM091003-2224	24	0.480	12.2	0.080	5.00	131	50
20AWG							
FM091003-2002	2	0.290	7.4	0.070	3.00	37	8
FM091003-2003	3	0.300	7.6	0.070	3.00	42	11
FM091003-2004	4	0.330	8.4	0.075	3.50	52	14
FM091003-2006	6	0.370	9.4	0.075	4.00	68	21
FM091003-2007	7	0.370	9.4	0.075	4.00	72	24
FM091003-2010	10	0.440	11.2	0.075	4.50	99	31
FM091003-2012	12	0.465	11.8	0.080	5.00	114	38
FM091003-2019	19	0.525	13.3	0.080	5.50	151	55
FM091003-2024	24	0.595	15.1	0.080	6.00	195	71

See reverse side for listing of additional cable constructions.



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FALMAT P/N	NO.# COND.	NOMINAL O.D.		JKT. WALL NOM.	MIN BEND RADIUS	NOMINAL WEIGHT (Air) (Sea)	
		inch	mm	inch	inch	lb./1000 ft.	lb./1000 ft.
18AWG							
FM091003-1802	2	0.310	7.9	0.070	3.50	44	11
FM091003-1803	3	0.320	8.1	0.070	3.50	51	16
FM091003-1804	4	0.355	9.0	0.075	4.00	65	21
FM091003-1806	6	0.400	10.2	0.075	4.00	86	30
FM091003-1808	7	0.485	12.3	0.075	5.00	117	35
FM091003-1812	12	0.510	13.0	0.082	5.50	148	57
FM091003-1819	19	0.585	14.9	0.085	6.00	204	84
FM091003-1824	24	0.665	16.9	0.085	7.00	263	109
16AWG							
FM091003-1602	2	0.320	8.1	0.070	3.50	49	13
FM091003-1603	3	0.345	8.8	0.075	3.50	61	19
FM091003-1604	4	0.370	9.4	0.075	4.00	73	26
FM091003-1606	6	0.420	10.7	0.075	4.50	99	37
FM091003-1608	8	0.525	13.3	0.080	5.50	137	41
FM091003-1612	12	0.530	13.5	0.080	5.50	169	71
FM091003-1619	19	0.610	15.5	0.082	6.50	235	105
FM091003-1624	24	0.695	17.7	0.082	7.00	305	136
14AWG							
FM091003-1402	2	0.355	9.0	0.072	4.00	63	19
FM091003-1403	3	0.375	9.5	0.075	4.00	79	30
FM091003-1404	4	0.415	10.5	0.080	4.50	100	40
FM091003-1406	6	0.485	12.3	0.085	5.00	141	59
FM091003-1408	8	0.585	14.9	0.085	6.00	184	64
FM091003-1412	12	0.600	15.2	0.085	6.00	240	114
12AWG							
FM091003-1202	2	0.415	10.5	0.075	4.50	88	28
FM091003-1203	3	0.455	11.6	0.085	5.00	118	46
FM091003-1204	4	0.490	12.4	0.085	5.00	146	62
FM091003-1206	6	0.565	14.4	0.085	6.00	205	94
FM091003-1208	8	0.675	17.1	0.090	7.00	259	100
FM091003-1212	12	0.725	18.4	0.090	7.50	361	178
10AWG							
FM091003-1002	2	0.485	12.3	0.080	5.50	134	52
FM091003-1003	3	0.525	13.2	0.085	5.50	172	77
FM091003-1004	4	0.560	14.2	0.085	6.00	216	104
FM091003-1006	6	0.655	16.6	0.085	7.00	301	152
FM091003-1008	8	0.830	21.1	0.090	9.00	415	174
FM091003-1010	10	0.830	21.1	0.090	9.00	488	248
8AWG							
FM091003-0802	2	0.670	17.0	0.085	7.00	219	62
FM091003-0803	3	0.710	18.0	0.085	7.50	294	117
FM091003-0804	4	0.785	19.9	0.090	8.00	377	162
6AWG							
FM091003-0602	2	0.770	19.6	0.090	8.00	304	97
FM091003-0603	3	0.815	20.7	0.090	8.50	413	180
FM091003-0604	4	0.905	23.0	0.095	9.50	535	249
4AWG							
FM091003-0402	2	0.900	22.9	0.090	9.00	445	161
FM091003-0403	3	0.965	24.5	0.095	10.00	622	297
FM091003-0404	4	1.055	26.8	0.095	11.00	797	408

* This table represents standard conductor counts. Please consult with a Falmat salesperson for additional cable constructions.

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