



BOSTRIG MHV-15 CABLE

Single Conductor Power (Type N Jacket)
15 kV (IEC 8.7/15 kV) Shielded - 100% Level
Unarmored



Application

Bostrig MHV-15 single conductor 15,000 volt shielded cables are suitable for use in commercial marine applications, MODU's, and platforms where flame retardant cables having excellent physical and electrical properties are required. The cables have excellent resistance to oils, abrasion, petrochemical fluids, moisture, and sunlight.

Conductor

Soft annealed tinned copper.
Stranding as shown in table below.

Conductor Shield

Semi-conducting tape with extruded thermosetting semi-conducting EPR.

Insulation

Extruded thermosetting EPR, 90°C-Type E.
Thickness as shown in table below.

Insulation Shield

Extruded thermosetting semi-conducting XLPO.

Metallic Braid Shield

Tinned copper braided shield, 85% minimum coverage.

Jacket

A jacket of flame retardant, heavy duty arctic Neoprene is applied over the metallic braid shield.
Thickness as shown in table below.

Tests

Meets applicable test requirements in IEC 60502, IEC 60092-354, IEEE 45-1998 & 1993 (draft), ICEA S-68-516, UL 1072, J-120, and flame test in IEC 60332-3, cat A, A/F.

Rating

Listed by a Nationally Recognized Testing Lab (ETL) in conformance to IEC 60502, UL 1072, ICEA S-68-516 and IEEE 1580-2001. Type approved by DNV, ABS and LRS.



1/c - 15 kV (IEC 8.7/15 kV) Shielded - 100% Level ¹⁰⁶

BIW

Cable Type	Conductor Size		Stranding	Insulation Wall Thickness		Jacket Wall Thickness		Nominal Cable Diameter		Approx. Weight	
	AWG/MCM	mm ²		Inches	mm	Inches	mm	Inches	mm	Lbs/Mft	kg/km
MHV-15-2	2	30.7	150/24	.177	4.50	.080	2.03	1.050	26.67	700	1042
MHV-15-1	1	46.0	225/24	.177	4.50	.080	2.03	1.110	28.19	860	1280
MHV-15-1/0	1/0	56.3	275/24	.177	4.50	.080	2.03	1.170	29.72	960	1429
MHV-15-2/0	2/0	66.5	325/24	.177	4.50	.080	2.03	1.190	30.23	1040	1548
MHV-15-3/0	3/0	92.1	450/24	.177	4.50	.080	2.03	1.310	33.27	1310	1950
MHV-15-4/0	4/0	112.6	550/24	.177	4.50	.080	2.03	1.370	34.80	1480	2202
MHV-15-262	262	133.0	650/24	.177	4.50	.085	2.16	1.420	36.07	1650	2455
MHV-15-313	313	158.6	775/24	.177	4.50	.085	2.16	1.480	37.59	1860	2768
MHV-15-373	373	189.3	925/24	.177	4.50	.090	2.29	1.560	39.62	2120	3155
MHV-15-444	444	225.1	1100/24	.177	4.50	.090	2.29	1.630	41.10	2410	3586
MHV-15-535	535	271.2	1325/24	.177	4.50	.110	2.80	1.760	44.71	2850	4241
MHV-15-646	646	327.5	1600/24	.177	4.50	.110	2.80	1.870	47.50	3270	4866
MHV-15-777	777	393.8	1925/24	.177	4.50	.110	2.80	2.970	50.04	3800	5655
MHV-15-1111	1111	562.8	2750/24	.177	4.50	.110	2.80	2.190	55.63	5100	7590

