

BOSTRIG MHV3-15 CABLE

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



Application

Bostrig MHV3-15 three 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. When required, these cables can be supplied without the sheath over the armor. Cables are also available with either a fully insulated grounding conductor or an un-insulated grounding conductor evenly distributed in the interstices.

3/c 15 kV (IEC 8.7/15 kV) Shielded - 100% Level ¹¹⁶

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
MHV3-15-2	2	30.7	150/24	.177	4.50	.110	2.80	2.110	53.59	2300	3423
MHV3-15-1	1	46.0	225/24	.177	4.50	.115	2.92	2.260	57.40	2790	4152
MHV3-15-1/0	1/0	56.3	275/24	.177	4.50	.120	3.05	2.390	60.71	3200	4643
MHV3-15-2/0	2/0	66.5	325/24	.177	4.50	.120	3.05	2.420	61.47	3370	5015
MHV3-15-3/0	3/0	92.1	450/24	.177	4.50	.130	3.30	2.710	68.83	4300	6399
MHV3-15-4/0	4/0	112.6	550/24	.177	4.50	.140	3.56	2.840	72.14	4900	7292
MHV3-15-262	262	133.0	650/24	.177	4.50	.140	3.56	2.940	74.68	5400	8036
MHV3-15-313	313	158.6	775/24	.177	4.50	.145	3.68	3.100	78.74	6100	9078
MHV3-15-373	373	189.3	925/24	.177	4.50	.150	3.81	3.260	82.80	6900	10268
MHV3-15-444	444	225.1	1100/24	.177	4.50	.155	3.94	3.420	86.87	7900	11756
MHV3-15-535	535	271.2	1325/24	.177	4.50	.165	4.19	3.640	92.46	9100	13542
MHV3-15-646	646	327.5	1600/24	.177	4.50	.175	4.45	3.870	98.30	10600	15775
MHV3-15-777	777	393.8	1925/24	.177	4.50	.185	4.70	4.120	104.65	12300	18304
MHV3-15-1111	1111	562.8	2750/24	.177	4.50	.200	5.08	4.620	117.35	16600	24703

Marine & Offshore Product Specification J-128 IEC-IEEE-UL

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 cabled core.

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-128, 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.

