

BOSTRIG MHV3-15BS CABLE

Three Conductor Power (Type N Jacket & Sheath)
15 kV (IEC 8.7/15 kV) Shielded - 100% Level
Armored and Sheathed



Application

Bostrig MHV3-15BS 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 ¹¹⁷

Cable Type	Conductor Size		Stranding	Insulation Wall Thickness		Jacket/Sheath Wall Thickness		Nominal Cable Diameter		Approx. Weight	
	AWG/MCM	mm ²		Inches	mm	Inches	mm	Inches	mm	Lbs/Mft	kg/km
MHV3-15BS-2	2	30.7	150/24	.177	4.50	.110/.110	2.80/2.80	2.400	60.96	3150	4688
MHV3-15BS-1	1	46.0	225/24	.177	4.50	.115/.110	2.92/2.80	2.540	64.52	3700	5506
MHV3-15BS-1/0	1/0	56.3	275/24	.177	4.50	.120/.110	3.05/2.80	2.670	67.82	4100	6102
MHV3-15BS-2/0	2/0	66.5	325/24	.177	4.50	.120/.110	3.05/2.80	2.710	68.83	4400	6548
MHV3-15BS-3/0	3/0	92.1	450/24	.177	4.50	.130/.140	3.30/2.80	3.050	77.47	5600	8334
MHV3-15BS-4/0	4/0	112.6	550/24	.177	4.50	.140/.140	3.56/3.56	3.180	80.77	6200	9226
MHV3-15BS-262	262	133.0	650/24	.177	4.50	.140/.140	3.56/3.56	3.290	83.57	6800	10120
MHV3-15BS-313	313	158.6	775/24	.177	4.50	.145/.140	3.68/3.56	3.440	87.38	7600	11310
MHV3-15BS-373	373	189.3	925/24	.177	4.50	.150/.140	3.81/3.56	3.600	91.44	8500	12649
MHV3-15BS-444	444	225.1	1100/24	.177	4.50	.155/.140	3.94/3.56	3.760	95.50	9500	14138
MHV3-15BS-535	535	271.2	1325/24	.177	4.50	.165/.140	4.19/3.56	3.980	101.09	10800	16072
MHV3-15BS-646	646	327.5	1600/24	.177	4.50	.175/.140	4.45/3.56	4.210	106.93	12400	18453
MHV3-15BS-777	777	393.8	1925/24	.177	4.50	.185/.140	4.70/3.56	4.470	113.54	14300	21281
MHV3-15BS-1111	1111	562.8	2750/24	.177	4.50	.200/.140	5.08/3.56	4.970	126.24	18700	27829

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 and Sheath

Both the inner jacket applied over the cabled core and outer sheath over the armor are flame retardant, heavy duty arctic Neoprene.
Thickness as shown in table below.

Armor

Braided Bronze.

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.

