

BOSTRIG MHV3-8B CABLE

Three Conductor Power (Type N Jacket)

8 kV - Shielded - 100% Level

Armored Only



Application

Bostrig MHV3-8B three conductor 8,000 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. Cables are also available with either a fully insulated grounding conductor or an un-insulated grounding conductor evenly distributed in the interstices.

3/c - 8 kV Shielded - 100% Level ¹⁷⁶

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
MHV3-8B-6	6	12.5	61/24	.118	3.00	.090	2.29	1.630	41.40	1510	2247
MHV3-8B-5	5	18.6	91/24	.118	3.00	.090	2.29	1.710	43.43	1720	2560
MHV3-8B-4	4	21.5	105/24	.118	3.00	.095	2.40	1.770	44.93	1870	2783
MHV3-8B-2	2	30.7	150/24	.118	3.00	.110	2.80	1.930	49.02	2250	3348
MHV3-8B-1	1	46.0	225/24	.118	3.00	.110	2.80	2.060	52.32	2700	4018
MHV3-8B-1/0	1/0	56.3	275/24	.118	3.00	.110	2.80	2.170	55.12	3050	4539
MHV3-8B-2/0	2/0	66.5	325/24	.118	3.00	.110	2.80	2.210	56.13	3300	4911
MHV3-8B-3/0	3/0	92.1	450/24	.118	3.00	.120	3.05	2.460	62.48	4150	6176
MHV3-8B-4/0	4/0	112.6	550/24	.118	3.00	.125	3.18	2.570	65.28	4700	6994
MHV3-8B-262	262	133.0	650/24	.118	3.00	.130	3.30	2.690	68.32	5200	7738
MHV3-8B-313	313	158.6	775/24	.118	3.00	.140	3.56	2.890	73.41	6050	9003
MHV3-8B-373	373	189.3	925/24	.118	3.00	.140	3.56	3.050	77.47	6850	10194
MHV3-8B-444	444	225.1	1100/24	.118	3.00	.145	3.68	3.210	81.53	7800	11607
MHV3-8B-535	535	271.2	1325/24	.118	3.00	.155	3.94	3.420	86.87	9050	13468
MHV3-8B-646	646	327.5	1600/24	.118	3.00	.165	4.19	3.650	92.71	10500	15626
MHV3-8B-777	777	393.8	1925/24	.118	3.00	.170	4.32	3.860	98.04	12100	18007
MHV3-8B-1111	1111	562.8	2750/24	.126	3.20	.195	4.95	4.460	113.28	16700	24852

Marine & Offshore Product Specification J-126

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 cable core.

Thickness as shown in table below.

Armor

Braided Bronze.

Tests

Meets applicable test requirements in IEEE 45-1998 & 1993 (draft), ICEA S-68-516, UL 1072, J-126 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.



TYPE N JACKET - 8KV

