



Draka
Draka Cableteq | USA

Marine & Offshore
Product Specification **J-122**
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 and Sheath

Both the inner jacket applied over the metallic braid shield and outer sheath over the armor are flame retardant, heavy duty artic 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-122 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.

BOSTRIG MHV-8BS CABLE

Single Conductor Power (Type N Jacket & Sheath)
8 kV (IEC 3.6/6 kV) Shielded - 100% Level
Armored and Sheathed



Application

Bostrig MHV-8BS single conductor 5,000 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.

TYPE N JACKET - 8KV

1/c 8 kV (IEC 3.6/6 kV) Shielded - 100% Level ¹⁰³

BIW 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
MHV-8BS-6	6	12.5	61/24	.118	3.00	.060/.080	1.53/2.03	.990	25.15	640	952
MHV-8BS-5	5	18.6	91/24	.118	3.00	.060/.080	1.53/2.03	1.030	26.16	720	1071
MHV-8BS-4	4	21.5	105/24	.118	3.00	.060/.080	1.53/2.03	1.060	26.92	760	1131
MHV-8BS-2	2	30.7	150/24	.118	3.00	.080/.080	2.03/2.03	1.160	29.46	920	1369
MHV-8BS-1	1	46.0	225/24	.118	3.00	.080/.080	2.03/2.03	1.220	30.99	1100	1637
MHV-8BS-1/0	1/0	56.3	275/24	.118	3.00	.080/.080	2.03/2.03	1.270	32.26	1200	1786
MHV-8BS-2/0	2/0	66.5	325/24	.118	3.00	.080/.080	2.03/2.03	1.290	32.77	1270	1890
MHV-8BS-3/0	3/0	92.1	450/24	.118	3.00	.080/.080	2.03/2.03	1.390	35.31	1550	2307
MHV-8BS-4/0	4/0	112.6	550/24	.118	3.00	.080/.080	2.03/2.03	1.440	36.58	1750	2604
MHV-8BS-262	262	133.0	650/24	.118	3.00	.080/.080	2.03/2.03	1.490	37.85	1900	2828
MHV-8BS-313	313	158.6	775/24	.118	3.00	.080/.080	2.03/2.03	1.580	40.13	2200	3274
MHV-8BS-373	373	189.3	925/24	.118	3.00	.085/.080	2.16/2.03	1.650	41.91	2500	3720
MHV-8BS-444	444	225.1	1100/24	.118	3.00	.085/.080	2.16/2.03	1.780	45.21	2900	4316
MHV-8BS-535	535	271.2	1325/24	.118	3.00	.090/.110	2.29/2.80	1.880	47.75	3300	4911
MHV-8BS-646	646	327.5	1600/24	.118	3.00	.110/.110	2.80/2.80	2.030	51.56	3800	5655
MHV-8BS-777	777	393.8	1925/24	.118	3.00	.110/.110	2.80/2.80	2.130	54.10	4350	6474
MHV-8BS-1111	1111	562.8	2750/24	.118	3.20	.110/.110	2.80/2.80	2.370	60.20	5750	8557



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