

## BOSTRIG MHV-15BS CABLE

Single Conductor Power (Type N Jacket & Sheath)  
15 kV (IEC 12/20 kV) Shielded - 133% Level  
Armored and Sheathed



### Application

Bostrig MHV-15BS 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. When required, these cables can be supplied without the sheath over the armor.

## Marine & Offshore Product Specification J-124 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 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, IEEE 45-1998 & 1993 (draft), ICEA S-68-516, UL 1072, J-124, 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 12/20 kV) Shielded - 133% Level <sup>109</sup>

BIW Cable Type	Conductor Size		Stranding	Insulation Wall Thickness		Jacket/Sheath Wall Thickness		Nominal Cable Diameter		Approx. Weight	
	AWG/MCM	mm <sup>2</sup>		Inches	mm	Inches	mm	Inches	mm	Lbs/Mft	kg/km
MHV-15BS-2	2	30.7	150/24	.220	5.59	.080/.080	2.03/2.03	1.360	34.54	1200	1786
MHV-15BS-1	1	46.0	225/24	.220	5.59	.080/.080	2.03/2.03	1.420	36.07	1400	2083
MHV-15BS-1/0	1/0	56.3	275/24	.220	5.59	.080/.080	2.03/2.03	1.470	37.34	1500	2232
MHV-15BS-2/0	2/0	66.5	325/24	.220	5.59	.080/.080	2.03/2.03	1.490	37.85	1600	2381
MHV-15BS-3/0	3/0	92.1	450/24	.220	5.59	.085/.080	2.16/2.03	1.630	41.40	1920	2857
MHV-15BS-4/0	4/0	112.6	550/24	.220	5.59	.085/.080	2.16/2.03	1.680	42.67	2100	3125
MHV-15BS-262	262	133.0	650/24	.220	5.59	.085/.080	2.16/2.80	1.790	45.47	2400	3571
MHV-15BS-313	313	158.6	775/24	.220	5.59	.090/.110	2.29/2.80	1.870	47.59	2650	3943
MHV-15BS-373	373	189.3	925/24	.220	5.59	.090/.110	2.29/2.80	1.940	49.28	2950	4390
MHV-15BS-444	444	225.1	1100/24	.220	5.59	.110/.110	2.80/2.80	2.050	52.07	3400	5060
MHV-15BS-535	535	271.2	1325/24	.220	5.59	.110/.110	2.80/2.80	2.150	54.61	3800	5655
MHV-15BS-646	646	327.5	1600/24	.220	5.59	.110/.110	2.80/2.80	2.260	57.40	4300	6399
MHV-15BS-777	777	393.8	1925/24	.220	5.59	.110/.110	2.80/2.80	2.360	59.94	4800	7143
MHV-15BS-1111	1111	562.8	2750/24	.220	5.59	.115/.110	2.92/2.80	2.580	65.53	6200	9227

