

## BOSTRIG MHV-8 CABLE

Single Conductor Power (Type N Jacket)  
8 kV (IEC 3.6/6 kV) Shielded - 100% Level  
Unarmored



### Application

Bostrig MHV-8 single 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.

### 1/c 8 kV (IEC 3.6/6 kV) Shielded - 100% Level <sup>102</sup>

| BIW<br>Cable Type | Conductor Size |                 | Stranding | Insulation<br>Wall Thickness |      | Jacket<br>Wall Thickness |      | Nominal<br>Cable Diameter |       | Approx. Weight |       |
|-------------------|----------------|-----------------|-----------|------------------------------|------|--------------------------|------|---------------------------|-------|----------------|-------|
|                   | AWG/MCM        | mm <sup>2</sup> |           | Inches                       | mm   | Inches                   | mm   | Inches                    | mm    | Lbs/Mft        | kg/km |
| MHV-8-6           | 6              | 12.5            | 61/24     | .118                         | 3.00 | .060                     | 1.53 | .770                      | 19.56 | 370            | 551   |
| MHV-8-5           | 5              | 18.6            | 91/24     | .118                         | 3.00 | .060                     | 1.53 | .810                      | 20.57 | 430            | 640   |
| MHV-8-4           | 4              | 21.5            | 105/24    | .118                         | 3.00 | .060                     | 1.53 | .830                      | 21.08 | 470            | 700   |
| MHV-8-2           | 2              | 30.7            | 150/24    | .118                         | 3.00 | .080                     | 2.03 | .930                      | 23.62 | 590            | 878   |
| MHV-8-1           | 1              | 46.0            | 225/24    | .118                         | 3.00 | .080                     | 2.03 | .990                      | 25.15 | 730            | 1086  |
| MHV-8-1/0         | 1/0            | 56.3            | 275/24    | .118                         | 3.00 | .080                     | 2.03 | 1.050                     | 26.67 | 820            | 1220  |
| MHV-8-2/0         | 2/0            | 66.5            | 325/24    | .118                         | 3.00 | .080                     | 2.03 | 1.060                     | 26.92 | 900            | 1339  |
| MHV-8-3/0         | 3/0            | 92.1            | 450/24    | .118                         | 3.00 | .080                     | 2.03 | 1.170                     | 29.72 | 1150           | 1711  |
| MHV-8-4/0         | 4/0            | 112.6           | 550/24    | .118                         | 3.00 | .080                     | 2.03 | 1.220                     | 30.99 | 1300           | 1935  |
| MHV-8-262         | 262            | 133.0           | 650/24    | .118                         | 3.00 | .080                     | 2.03 | 1.270                     | 32.26 | 1450           | 2158  |
| MHV-8-313         | 313            | 158.6           | 775/24    | .118                         | 3.00 | .080                     | 2.03 | 1.360                     | 34.54 | 1700           | 2530  |
| MHV-8-373         | 373            | 189.3           | 925/24    | .118                         | 3.00 | .085                     | 2.16 | 1.440                     | 36.58 | 1950           | 2902  |
| MHV-8-444         | 444            | 225.1           | 1100/24   | .118                         | 3.00 | .085                     | 2.16 | 1.500                     | 38.10 | 2250           | 3348  |
| MHV-8-535         | 535            | 271.2           | 1325/24   | .118                         | 3.00 | .090                     | 2.29 | 1.600                     | 40.64 | 2600           | 3869  |
| MHV-8-646         | 646            | 327.5           | 1600/24   | .118                         | 3.00 | .110                     | 2.80 | 1.740                     | 44.20 | 3100           | 4613  |
| MHV-8-777         | 777            | 393.8           | 1925/24   | .118                         | 3.00 | .110                     | 2.80 | 1.840                     | 46.74 | 3600           | 5357  |
| MHV-8-1111        | 1111           | 562.8           | 2750/24   | .118                         | 3.20 | .110                     | 2.80 | 2.090                     | 53.09 | 4900           | 7292  |

## 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

A jacket of flame retardant, heavy duty arctic Neoprene is applied over the metallic braid shield.  
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-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.

