IEC Standard Caledonian Offshore & Marine Cables
MariSig Flame Retardant Instrumentation & Control Cables

MRE-3GCH 150/250V HEPR Insulated, LSOH (SHF1) Sheathed, Armoured Flame Retardant Instrumentation & Control Cables (Multipair)

Application

These armoured cables are used on board of ships in all locations for fixed installations where cable protection is required. These cables are flame retardant, low smoke & halogen free, suitable for installations on passenger ships, as on other commercial vessels.

Standards

- DIN 89159/98
- IEC 60092-351/375/359
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1/2
- IEC 61034

Construction

- Conductors: Stranded copper conductor.
- Insulation: HEPR.
- Cabling Element: Pair.
- Armour: Copper wire braid.
- Outer Sheath: LSOH (SHF1).

Core Identification

Pair: white/ blue with printed pair number and core number.
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www.caledonian-cables.co.uk

Mechanical and Thermal Properties

Bending Radius for Fixed Installations: 6 × OD
Temperature Range: -30°C ~ +75°C

Dimensions and Weight

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Construction No. of elements × No. of cores in element × Cross section (mm²)</th>
<th>Nominal Insulation Thickness mm</th>
<th>Nominal Sheath Thickness mm</th>
<th>Nominal Overall Diameter mm</th>
<th>Nominal Weight kg/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRE-3GCH-1P0.75</td>
<td>1 × 2 × 0.75</td>
<td>0.5</td>
<td>1.2</td>
<td>8.5</td>
<td>90</td>
</tr>
<tr>
<td>MRE-3GCH-2P0.75</td>
<td>2 × 2 × 0.75*</td>
<td>0.5</td>
<td>1.3</td>
<td>9.5</td>
<td>130</td>
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<tr>
<td>MRE-3GCH-4P0.75</td>
<td>4 × 2 × 0.75</td>
<td>0.5</td>
<td>1.4</td>
<td>13.0</td>
<td>230</td>
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<tr>
<td>MRE-3GCH-7P0.75</td>
<td>7 × 2 × 0.75</td>
<td>0.5</td>
<td>1.8</td>
<td>15.5</td>
<td>340</td>
</tr>
<tr>
<td>MRE-3GCH-10P0.75</td>
<td>10 × 2 × 0.75</td>
<td>0.5</td>
<td>1.9</td>
<td>18.5</td>
<td>470</td>
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<td>MRE-3GCH-14P0.75</td>
<td>14 × 2 × 0.75</td>
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<td>2.0</td>
<td>21.0</td>
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<tr>
<td>MRE-3GCH-19P0.75</td>
<td>19 × 2 × 0.75</td>
<td>0.5</td>
<td>2.1</td>
<td>23.5</td>
<td>770</td>
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<tr>
<td>MRE-3GCH-24P0.75</td>
<td>24 × 2 × 0.75</td>
<td>0.5</td>
<td>2.2</td>
<td>26.5</td>
<td>950</td>
</tr>
</tbody>
</table>

*: 2 pairs are assembled as a quad.