MRE-M3GCH 150/250V Mica Tape + HEPR Insulated, LSOH (SHF1)
Sheathed, Armoured Fire Resistant Instrumentation & Control
Cables (Multipair)

Application

These cables are used on board of ships in all locations for fixed installations complying with IEC standards 60092-352 in safety circuit, where fire resistance is required. These cables are fire resistant, flame retardant, low smoke & halogen free, suitable for installations on passenger ships, as on other commercial vessels.

Standards

- DIN 89159
- IEC 60092-351/375/359
- IEC 60331-21
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1/2
- IEC 61034

Construction

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

Core Identification

Pair: White/blue with printed pair number and core number.
Mechanical and Thermal Properties

Bending Radius for Fixed Installations: $6 \times \text{OD}$
Temperature Range: $-30^\circ\text{C} \sim +75^\circ\text{C}$

Dimensions and Weight

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Construction No. of elements$\times$No. of cores in element$\times$Cross section(mm$^2$)</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-M3GCH-1P0.75</td>
<td>$1\times2\times0.75$</td>
<td>0.5</td>
<td>1.2</td>
<td>10.5</td>
<td>110</td>
</tr>
<tr>
<td>MRE-M3GCH-2P0.75</td>
<td>$2\times2\times0.75^*$</td>
<td>0.5</td>
<td>1.3</td>
<td>11.0</td>
<td>150</td>
</tr>
<tr>
<td>MRE-M3GCH-4P0.75</td>
<td>$4\times2\times0.75$</td>
<td>0.5</td>
<td>1.4</td>
<td>16.0</td>
<td>270</td>
</tr>
<tr>
<td>MRE-M3GCH-7P0.75</td>
<td>$7\times2\times0.75$</td>
<td>0.5</td>
<td>1.8</td>
<td>19.0</td>
<td>400</td>
</tr>
<tr>
<td>MRE-M3GCH-10P0.75</td>
<td>$10\times2\times0.75$</td>
<td>0.5</td>
<td>1.9</td>
<td>22.0</td>
<td>560</td>
</tr>
<tr>
<td>MRE-M3GCH-14P0.75</td>
<td>$14\times2\times0.75$</td>
<td>0.5</td>
<td>2.0</td>
<td>27.0</td>
<td>740</td>
</tr>
<tr>
<td>MRE-M3GCH-19P0.75</td>
<td>$19\times2\times0.75$</td>
<td>0.5</td>
<td>2.1</td>
<td>29.0</td>
<td>930</td>
</tr>
<tr>
<td>MRE-M3GCH-24P0.75</td>
<td>$24\times2\times0.75$</td>
<td>0.5</td>
<td>2.2</td>
<td>31.0</td>
<td>1110</td>
</tr>
</tbody>
</table>

* 2 pairs are assembled as a quad.