



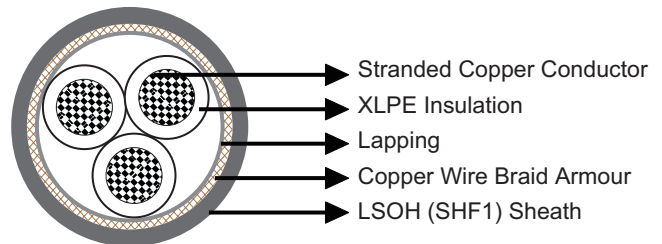
MRE-2XCH 150/250V XLPE Insulated, LSOH (SHF1) Sheathed, Armoured Flame Retardant Instrumentation & Control Cables (Multicore)

Application

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

Standards

- IEC 60092-350/351/376/359
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1/2
- IEC 61034



Construction

- Conductors: Class 2 stranded copper conductor.
- Insulation: XLPE.
- Inner Covering: Lapping.
- Armour: Copper wire braid.
- Outer Sheath: LSOH (SHF1). SHF2 can be offered upon request.

Core Identification

White with printed number.

IEC Standard Caledonian Offshore & Marine Cables

MariSig Flame Retardant Instrumentation & Control Cables



www.caledonian-cables.co.uk

Mechanical and Thermal Properties

Bending Radius for Fixed Installations: $6 \times OD$
 Temperature Range: $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$

Dimensions and Weight

| Part No. | Construction No. of cores \times Cross section (mm ²) | Nominal Insulation Thickness mm | Nominal Sheath Thickness mm | Nominal Overall Diameter mm | Nominal Weight kg/km |
|------------------|---|---------------------------------------|-----------------------------------|-----------------------------------|----------------------------|
| MRE-2XCH-2C0.75 | 2 \times 0.75 | 0.5 | 1.2 | 7.2 | 80 |
| MRE-2XCH-3C0.75 | 3 \times 0.75 | 0.5 | 1.2 | 7.5 | 90 |
| MRE-2XCH-5C0.75 | 5 \times 0.75 | 0.5 | 1.4 | 8.9 | 130 |
| MRE-2XCH-7C0.75 | 7 \times 0.75 | 0.5 | 1.6 | 9.8 | 150 |
| MRE-2XCH-12C0.75 | 12 \times 0.75 | 0.5 | 1.7 | 12.4 | 230 |
| MRE-2XCH-19C0.75 | 19 \times 0.75 | 0.5 | 1.9 | 14.6 | 320 |
| MRE-2XCH-27C0.75 | 27 \times 0.75 | 0.5 | 2.1 | 17.3 | 460 |
| MRE-2XCH-37C0.75 | 37 \times 0.75 | 0.5 | 2.2 | 19.3 | 590 |
| MRE-2XCH-2C1.0 | 2 \times 1.0 | 0.5 | 1.4 | 7.9 | 90 |
| MRE-2XCH-3C1.0 | 3 \times 1.0 | 0.5 | 1.4 | 8.3 | 100 |
| MRE-2XCH-5C1.0 | 5 \times 1.0 | 0.5 | 1.5 | 9.7 | 150 |
| MRE-2XCH-7C1.0 | 7 \times 1.0 | 0.5 | 1.6 | 10.4 | 180 |
| MRE-2XCH-12C1.0 | 12 \times 1.0 | 0.5 | 1.8 | 13.2 | 270 |
| MRE-2XCH-19C1.0 | 19 \times 1.0 | 0.5 | 2.1 | 15.9 | 420 |
| MRE-2XCH-27C1.0 | 27 \times 1.0 | 0.5 | 2.2 | 18.4 | 560 |
| MRE-2XCH-37C1.0 | 37 \times 1.0 | 0.5 | 2.4 | 20.7 | 710 |

