



Caledonian

IEC60092 Offshore & Marine Cables

www.caledonian-cables.com

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BI (i)/ BU(i) (MRE-M2XH PiMF) 150/250V Mica Tape + XLPE Insulated, LSOH (SHF1) Sheathed, Individual Screened Fire Resistant Instrumentation & Control Cables 12P1

MRE-M2XH PiMF-12P1



APPLICATIONS

These cables are used on board of ships in all locations for fixed installations not subject to mechanical risk 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

IEC 60092-350/360/376/IEC 60331-21/IEC 60332-1

IEC 60332-3-22/IEC 60754-1/2/IEC 61034

CABLE CONSTRUCTION

Conductors: Class 2 stranded copper conductor.

Insulation: Mica tape + XLPE.

Cabling Element: Pair.

Individual Screen: Al/polyester tape.

Drain Wire: Tinned copper wire.

Outer Sheath: LSOH (SHF1). SHF2 can be offered upon request.

COLOUR CODE

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

PHYSICAL AND THERMAL PROPERTIES

Bending Radius for Fixed Installations: $6 \times OD$ ($OD > 25\text{mm}$); $4 \times OD$ ($OD \leq 25\text{mm}$)

Temperature Range: $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$

DIMENSION AND PARAMETERS

No. of Cores \times Cross-sectional Area	Nominal Insulation Thickness	Nominal Sheath Thickness	Nom. Overall Diameter	Approx. Weight
No. $\times \text{mm}^2$	mm	mm	mm	kg/km



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12x2x1	0.5	1.6	23.3	780
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