



# IEC Standard Caledonian Offshore & Marine Cables

## MariSig Flame Retardant Instrumentation & Control Cables

[www.caledonian-cables.co.uk](http://www.caledonian-cables.co.uk)

### MRE-2XH PiMF/TiMF 150/250V XLPE Insulated, LSOH (SHF1) Sheathed, Individual Screened Flame Retardant Instrumentation & Control Cables (Multipair/Multitriple)

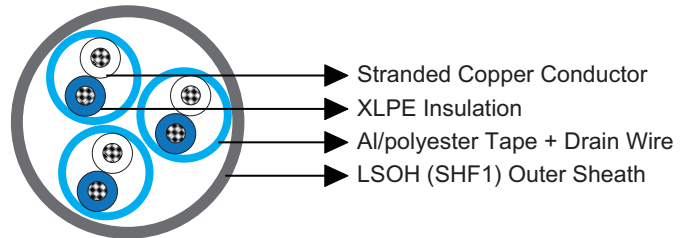
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#### Application

These cables are used on board of ships at all locations for fixed installations not subject to mechanical risk 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.
- Cabling Element: Pair/Triple.
- Individual Screen: Al/polyester tape.
- Drain Wire: Tinned copper wire.
- Outer Sheath: LSOH (SHF1). SHF2 can be offered upon request.

#### Core Identification

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



### Mechanical and Thermal Properties

Bending Radius for Fixed Installations:  $4 \times OD$   
 Temperature Range:  $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$

### Dimensions and Weight

Part No.	Construction No. of elements×No. of cores in element×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MRE-2XH PiMF-1P0.75	1×2×0.75	0.5	1.0	7.1	70
MRE-2XH PiMF-2P0.75	2×2×0.75	0.5	1.1	10.8	140
MRE-2XH PiMF-3P0.75	3×2×0.75	0.5	1.2	11.8	180
MRE-2XH PiMF-4P0.75	4×2×0.75	0.5	1.2	12.5	210
MRE-2XH PiMF-5P0.75	5×2×0.75	0.5	1.3	14.2	260
MRE-2XH PiMF-6P0.75	6×2×0.75	0.5	1.3	15.2	300
MRE-2XH PiMF-7P0.75	7×2×0.75	0.5	1.3	15.2	330
MRE-2XH PiMF-8P0.75	8×2×0.75	0.5	1.3	16.1	370
MRE-2XH PiMF-10P0.75	10×2×0.75	0.5	1.4	18.3	460
MRE-2XH PiMF-12P0.75	12×2×0.75	0.5	1.4	19.0	520
MRE-2XH PiMF-14P0.75	14×2×0.75	0.5	1.5	20.0	600
MRE-2XH PiMF-16P0.75	16×2×0.75	0.5	1.5	21.4	670
MRE-2XH PiMF-19P0.75	19×2×0.75	0.5	1.6	23.1	790
MRE-2XH PiMF-20P0.75	20×2×0.75	0.5	1.6	23.1	810
MRE-2XH PiMF-24P0.75	24×2×0.75	0.5	1.7	26.5	1000
MRE-2XH PiMF-30P0.75	30×2×0.75	0.5	1.8	28.9	1220
MRE-2XH PiMF-37P0.75	37×2×0.75	0.5	1.9	31.1	1470
MRE-2XH PiMF-1P1.0	1×2×1.0	0.5	1.0	7.5	80
MRE-2XH PiMF-2P1.0	2×2×1.0	0.5	1.2	11.7	170
MRE-2XH PiMF-3P1.0	3×2×1.0	0.5	1.2	12.5	210
MRE-2XH PiMF-4P1.0	4×2×1.0	0.5	1.2	13.3	250
MRE-2XH PiMF-5P1.0	5×2×1.0	0.5	1.3	15.1	310
MRE-2XH PiMF-6P1.0	6×2×1.0	0.5	1.3	16.2	360
MRE-2XH PiMF-7P1.0	7×2×1.0	0.5	1.3	16.2	400
MRE-2XH PiMF-8P1.0	8×2×1.0	0.5	1.4	17.4	450
MRE-2XH PiMF-10P1.0	10×2×1.0	0.5	1.5	19.7	570
MRE-2XH PiMF-12P1.0	12×2×1.0	0.5	1.5	20.5	650
MRE-2XH PiMF-14P1.0	14×2×1.0	0.5	1.5	21.3	730
MRE-2XH PiMF-16P1.0	16×2×1.0	0.5	1.6	23.1	840
MRE-2XH PiMF-19P1.0	19×2×1.0	0.5	1.7	24.9	980





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MRE-2XH PiMF-20P1.0	20×2×1.0	0.5	1.7	24.9	1020
MRE-2XH PiMF-24P1.0	24×2×1.0	0.5	1.8	28.5	1250
MRE-2XH PiMF-30P1.0	30×2×1.0	0.5	1.9	31.1	1520
MRE-2XH PiMF-37P1.0	37×2×1.0	0.5	2.0	33.5	1830
MRE-2XH TiMF-1T0.75	1×3×0.75	0.5	1.0	7.5	80
MRE-2XH TiMF-2T0.75	2×3×0.75	0.5	1.2	12.0	170
MRE-2XH TiMF-3T0.75	3×3×0.75	0.5	1.2	12.7	210
MRE-2XH TiMF-4T0.75	4×3×0.75	0.5	1.3	14.1	270
MRE-2XH TiMF-5T0.75	5×3×0.75	0.5	1.3	15.6	330
MRE-2XH TiMF-6T0.75	6×3×0.75	0.5	1.4	17.7	400
MRE-2XH TiMF-7T0.75	7×3×0.75	0.5	1.4	17.7	430
MRE-2XH TiMF-8T0.75	8×3×0.75	0.5	1.4	19.0	490
MRE-2XH TiMF-10T0.75	10×3×0.75	0.5	1.5	21.6	620
MRE-2XH TiMF-12T0.75	12×3×0.75	0.5	1.6	23.0	720
MRE-2XH TiMF-14T0.75	14×3×0.75	0.5	1.6	24.0	810
MRE-2XH TiMF-16T0.75	16×3×0.75	0.5	1.7	25.7	920
MRE-2XH TiMF-19T0.75	19×3×0.75	0.5	1.8	27.8	1090
MRE-2XH TiMF-20T0.75	20×3×0.75	0.5	1.8	28.3	1130
MRE-2XH TiMF-24T0.75	24×3×0.75	0.5	1.9	30.9	1350
MRE-2XH TiMF-30T0.75	30×3×0.75	0.5	2.0	34.3	1660
MRE-2XH TiMF-32T0.75	32×3×0.75	0.5	2.1	35.7	1790
MRE-2XH TiMF-1T1.0	1×3×1.0	0.5	1.0	7.9	100
MRE-2XH TiMF-2T1.0	2×3×1.0	0.5	1.2	12.7	200
MRE-2XH TiMF-3T1.0	3×3×1.0	0.5	1.2	13.5	260
MRE-2XH TiMF-4T1.0	4×3×1.0	0.5	1.3	15.0	330
MRE-2XH TiMF-5T1.0	5×3×1.0	0.5	1.4	16.8	400
MRE-2XH TiMF-6T1.0	6×3×1.0	0.5	1.4	18.9	490
MRE-2XH TiMF-7T1.0	7×3×1.0	0.5	1.4	18.9	530
MRE-2XH TiMF-8T1.0	8×3×1.0	0.5	1.5	20.5	610
MRE-2XH TiMF-10T1.0	10×3×1.0	0.5	1.6	23.3	760
MRE-2XH TiMF-12T1.0	12×3×1.0	0.5	1.6	24.6	880
MRE-2XH TiMF-14T1.0	14×3×1.0	0.5	1.7	25.9	1010
MRE-2XH TiMF-16T1.0	16×3×1.0	0.5	1.8	27.7	1150
MRE-2XH TiMF-19T1.0	19×3×1.0	0.5	1.8	29.8	1340
MRE-2XH TiMF-20T1.0	20×3×1.0	0.5	1.9	30.5	1410
MRE-2XH TiMF-24T1.0	24×3×1.0	0.5	2.0	33.3	1680
MRE-2XH TiMF-30T1.0	30×3×1.0	0.5	2.1	37.0	2070
MRE-2XH TiMF-32T1.0	32×3×1.0	0.5	2.2	38.5	2220