



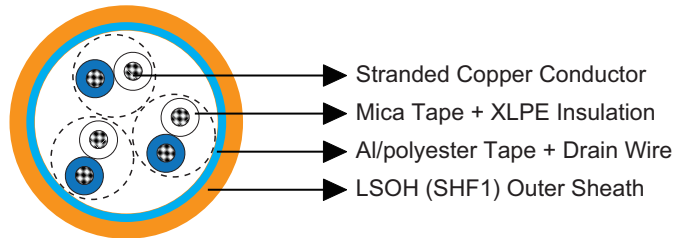
MRE-M2X(St)H 150/250V Mica Tape + XLPE Insulated, LSOH (SHF1) Sheathed, Overall Screened Fire Resistant Instrumentation & Control Cables (Multipair/Multitriple)

Application

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 60092-350/351/376/359
- IEC 60331-21
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1/2
- IEC 61034



Construction

- Conductors: Class 2 stranded copper conductor.
- Insulation: Mica tape + XLPE.
- Cabling Element: Pair/Triple.
- Overall 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: $6 \times OD$ ($OD > 25\text{mm}$); $4 \times OD$ ($OD \leq 25\text{mm}$)

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

Dimensions and Weight

Part No.	Construction No. of elements \times No. of cores in element \times Cross section (mm^2)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MRE-M2X(St)H-1P0.75	1 \times 2 \times 0.75	0.5	1.0	8.1	70
MRE-M2X(St)H-2P0.75	2 \times 2 \times 0.75*	0.5	1.1	9.5	110
MRE-M2X(St)H-3P0.75	3 \times 2 \times 0.75	0.5	1.2	13.3	170
MRE-M2X(St)H-4P0.75	4 \times 2 \times 0.75	0.5	1.3	14.3	210
MRE-M2X(St)H-7P0.75	7 \times 2 \times 0.75	0.5	1.4	17.3	320
MRE-M2X(St)H-8P0.75	8 \times 2 \times 0.75	0.5	1.4	18.4	360
MRE-M2X(St)H-10P0.75	10 \times 2 \times 0.75	0.5	1.5	20.9	430
MRE-M2X(St)H-12P0.75	12 \times 2 \times 0.75	0.5	1.5	21.7	490
MRE-M2X(St)H-14P0.75	14 \times 2 \times 0.75	0.5	1.6	22.7	560
MRE-M2X(St)H-16P0.75	16 \times 2 \times 0.75	0.5	1.6	24.4	630
MRE-M2X(St)H-19P0.75	19 \times 2 \times 0.75	0.5	1.7	25.7	730
MRE-M2X(St)H-24P0.75	24 \times 2 \times 0.75	0.5	1.8	29.3	910
MRE-M2X(St)H-30P0.75	30 \times 2 \times 0.75	0.5	2.0	33.1	1140
MRE-M2X(St)H-32P0.75	32 \times 2 \times 0.75	0.5	2.0	33.6	1190
MRE-M2X(St)H-37P0.75	37 \times 2 \times 0.75	0.5	2.0	35.3	1340
MRE-M2X(St)H-1P1.0	1 \times 2 \times 1.0	0.5	1.1	8.7	90
MRE-M2X(St)H-2P1.0	2 \times 2 \times 1.0*	0.5	1.1	9.9	130
MRE-M2X(St)H-3P1.0	3 \times 2 \times 1.0	0.5	1.3	14.2	200
MRE-M2X(St)H-4P1.0	4 \times 2 \times 1.0	0.5	1.3	15.1	240
MRE-M2X(St)H-7P1.0	7 \times 2 \times 1.0	0.5	1.4	18.3	370
MRE-M2X(St)H-8P1.0	8 \times 2 \times 1.0	0.5	1.5	19.7	430
MRE-M2X(St)H-10P1.0	10 \times 2 \times 1.0	0.5	1.6	22.3	520
MRE-M2X(St)H-12P1.0	12 \times 2 \times 1.0	0.5	1.6	23.2	590
MRE-M2X(St)H-14P1.0	14 \times 2 \times 1.0	0.5	1.6	24.1	660
MRE-M2X(St)H-16P1.0	16 \times 2 \times 1.0	0.5	1.7	26.1	760
MRE-M2X(St)H-19P1.0	19 \times 2 \times 1.0	0.5	1.7	27.3	860
MRE-M2X(St)H-24P1.0	24 \times 2 \times 1.0	0.5	1.9	31.3	1100
MRE-M2X(St)H-30P1.0	30 \times 2 \times 1.0	0.5	2.0	35.1	1350

IEC Standard Caledonian Offshore & Marine Cables

MariSig Fire Resistant Instrumentation & Control Cables



www.caledonian-cables.co.uk

Part No.	Construction No. of elements×No. of cores in element×Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MRE-M2X(St)H-32P1.0	32×2×1.0	0.5	2.1	35.9	1440
MRE-M2X(St)H-37P1.0	37×2×1.0	0.5	2.1	37.7	1620
MRE-M2X(St)H-1P1.5	1×2×1.5	0.6	1.1	9.5	100
MRE-M2X(St)H-2P1.5	2×2×1.5*	0.6	1.1	10.9	160
MRE-M2X(St)H-3P1.5	3×2×1.5	0.6	1.3	15.7	250
MRE-M2X(St)H-4P1.5	4×2×1.5	0.6	1.4	16.9	310
MRE-M2X(St)H-7P1.5	7×2×1.5	0.6	1.5	20.5	490
MRE-M2X(St)H-8P1.5	8×2×1.5	0.6	1.5	21.9	550
MRE-M2X(St)H-10P1.5	10×2×1.5	0.6	1.7	25.0	670
MRE-M2X(St)H-12P1.5	12×2×1.5	0.6	1.7	26.0	770
MRE-M2X(St)H-14P1.5	14×2×1.5	0.6	1.7	27.0	870
MRE-M2X(St)H-16P1.5	16×2×1.5	0.6	1.8	29.3	990
MRE-M2X(St)H-19P1.5	19×2×1.5	0.6	1.9	30.8	1150
MRE-M2X(St)H-24P1.5	24×2×1.5	0.6	2.0	35.1	1440
MRE-M2X(St)H-30P1.5	30×2×1.5	0.6	2.2	39.6	1790
MRE-M2X(St)H-32P1.5	32×2×1.5	0.6	2.2	40.3	1890
MRE-M2X(St)H-37P1.5	37×2×1.5	0.6	2.3	42.5	2160
MRE-M2X(St)H-1T0.75	1×3×0.75	0.5	1.1	8.7	90
MRE-M2X(St)H-2T0.75	2×3×0.75	0.5	1.2	13.5	180
MRE-M2X(St)H-3T0.75	3×3×0.75	0.5	1.3	14.5	230
MRE-M2X(St)H-4T0.75	4×3×0.75	0.5	1.3	15.9	280
MRE-M2X(St)H-7T0.75	7×3×0.75	0.5	1.5	20.2	460
MRE-M2X(St)H-8T0.75	8×3×0.75	0.5	1.5	21.6	510
MRE-M2X(St)H-10T0.75	10×3×0.75	0.5	1.6	24.6	620
MRE-M2X(St)H-12T0.75	12×3×0.75	0.5	1.7	26.2	720
MRE-M2X(St)H-14T0.75	14×3×0.75	0.5	1.7	27.3	810
MRE-M2X(St)H-16T0.75	16×3×0.75	0.5	1.8	29.2	920
MRE-M2X(St)H-19T0.75	19×3×0.75	0.5	1.9	31.6	1080
MRE-M2X(St)H-24T0.75	24×3×0.75	0.5	2.0	35.1	1340
MRE-M2X(St)H-30T0.75	30×3×0.75	0.5	2.2	39.1	1660
MRE-M2X(St)H-32T0.75	32×3×0.75	0.5	2.2	40.5	1760
MRE-M2X(St)H-37T0.75	37×3×0.75	0.5	2.3	42.7	2000
MRE-M2X(St)H-1T1.0	1×3×1.0	0.5	1.1	9.2	110
MRE-M2X(St)H-2T1.0	2×3×1.0	0.5	1.3	14.6	210
MRE-M2X(St)H-3T1.0	3×3×1.0	0.5	1.3	15.5	270
MRE-M2X(St)H-4T1.0	4×3×1.0	0.5	1.4	17.2	340





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MRE-M2X(St)H-7T1.0	7×3×1.0	0.5	1.5	21.6	540
MRE-M2X(St)H-8T1.0	8×3×1.0	0.5	1.6	23.3	620
MRE-M2X(St)H-10T1.0	10×3×1.0	0.5	1.7	26.5	740
MRE-M2X(St)H-12T1.0	12×3×1.0	0.5	1.8	28.2	870
MRE-M2X(St)H-14T1.0	14×3×1.0	0.5	1.8	29.4	980
MRE-M2X(St)H-16T1.0	16×3×1.0	0.5	1.9	31.4	1110
MRE-M2X(St)H-19T1.0	19×3×1.0	0.5	2.0	34.1	1310
MRE-M2X(St)H-24T1.0	24×3×1.0	0.5	2.1	37.9	1620
MRE-M2X(St)H-30T1.0	30×3×1.0	0.5	2.3	42.2	2010
MRE-M2X(St)H-32T1.0	32×3×1.0	0.5	2.4	43.9	2150
MRE-M2X(St)H-37T1.0	37×3×1.0	0.5	2.4	46.0	2430
MRE-M2X(St)H-1T1.5	1×3×1.5	0.6	1.1	10.0	130
MRE-M2X(St)H-2T1.5	2×3×1.5	0.6	1.3	16.0	260
MRE-M2X(St)H-3T1.5	3×3×1.5	0.6	1.4	17.2	340
MRE-M2X(St)H-4T1.5	4×3×1.5	0.6	1.4	18.9	430
MRE-M2X(St)H-7T1.5	7×3×1.5	0.6	1.6	24.0	700
MRE-M2X(St)H-8T1.5	8×3×1.5	0.6	1.7	25.9	800
MRE-M2X(St)H-10T1.5	10×3×1.5	0.6	1.8	29.5	970
MRE-M2X(St)H-12T1.5	12×3×1.5	0.6	1.9	31.4	1130
MRE-M2X(St)H-14T1.5	14×3×1.5	0.6	2.0	33.0	1300
MRE-M2X(St)H-16T1.5	16×3×1.5	0.6	2.0	35.0	1460
MRE-M2X(St)H-19T1.5	19×3×1.5	0.6	2.1	37.9	1710
MRE-M2X(St)H-24T1.5	24×3×1.5	0.6	2.3	42.4	2140
MRE-M2X(St)H-30T1.5	30×3×1.5	0.6	2.5	47.2	2660
MRE-M2X(St)H-32T1.5	32×3×1.5	0.6	2.5	48.9	2820
MRE-M2X(St)H-37T1.5	37×3×1.5	0.6	2.6	51.4	3210

*: 2 pairs are assembled as a quad.