



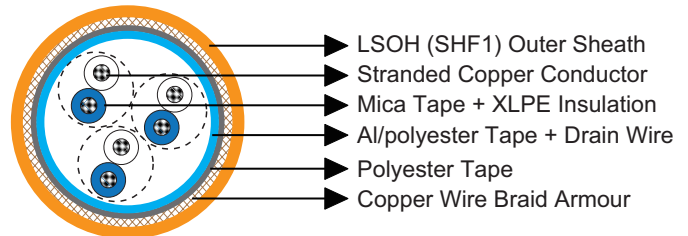
MRE-M2X(St)CH 150/250V Mica Tape + XLPE Insulated, LSOH (SHF1) Sheathed, Overall Screened & Armoured Fire Resistant Instrumentation & Control Cables (Multipair/Multitriples)

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

- 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 insulation.
- Cabling Element: Pair/Triples.
- Overall Screen: Al/polyester tape.
- Drain Wire: Tinned copper wire.
- Inner Covering: Lapped polyester tape.
- Armour: Copper wire braid.
- 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: $6 \times OD$

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

Dimensions and Weight

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)CH-1P0.75	1×2×0.75	0.5	1.1	9.3	120
MRE-M2X(St)CH-2P0.75	2×2×0.75*	0.5	1.1	10.5	160
MRE-M2X(St)CH-3P0.75	3×2×0.75	0.5	1.3	14.8	260
MRE-M2X(St)CH-4P0.75	4×2×0.75	0.5	1.3	15.6	300
MRE-M2X(St)CH-7P0.75	7×2×0.75	0.5	1.4	18.6	430
MRE-M2X(St)CH-8P0.75	8×2×0.75	0.5	1.5	19.9	480
MRE-M2X(St)CH-10P0.75	10×2×0.75	0.5	1.6	22.4	580
MRE-M2X(St)CH-12P0.75	12×2×0.75	0.5	1.6	23.2	640
MRE-M2X(St)CH-14P0.75	14×2×0.75	0.5	1.6	24.0	710
MRE-M2X(St)CH-16P0.75	16×2×0.75	0.5	1.7	25.9	800
MRE-M2X(St)CH-19P0.75	19×2×0.75	0.5	1.7	27.0	890
MRE-M2X(St)CH-24P0.75	24×2×0.75	0.5	1.9	30.8	1110
MRE-M2X(St)CH-30P0.75	30×2×0.75	0.5	2.0	34.4	1350
MRE-M2X(St)CH-32P0.75	32×2×0.75	0.5	2.0	34.9	1410
MRE-M2X(St)CH-37P0.75	37×2×0.75	0.5	2.1	37.3	1680
MRE-M2X(St)CH-1P1.0	1×2×1.0	0.5	1.1	9.7	130
MRE-M2X(St)CH-2P1.0	2×2×1.0*	0.5	1.1	10.9	170
MRE-M2X(St)CH-3P1.0	3×2×1.0	0.5	1.3	15.5	300
MRE-M2X(St)CH-4P1.0	4×2×1.0	0.5	1.3	16.4	340
MRE-M2X(St)CH-7P1.0	7×2×1.0	0.5	1.5	19.8	500
MRE-M2X(St)CH-8P1.0	8×2×1.0	0.5	1.5	21.0	560
MRE-M2X(St)CH-10P1.0	10×2×1.0	0.5	1.6	23.6	660
MRE-M2X(St)CH-12P1.0	12×2×1.0	0.5	1.6	24.5	740
MRE-M2X(St)CH-14P1.0	14×2×1.0	0.5	1.7	25.6	830
MRE-M2X(St)CH-16P1.0	16×2×1.0	0.5	1.8	27.6	940
MRE-M2X(St)CH-19P1.0	19×2×1.0	0.5	1.8	28.8	1060
MRE-M2X(St)CH-24P1.0	24×2×1.0	0.5	1.9	32.6	1300



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)CH-30P1.0	30×2×1.0	0.5	2.1	37.1	1690
MRE-M2X(St)CH-32P1.0	32×2×1.0	0.5	2.1	37.7	1770
MRE-M2X(St)CH-37P1.0	37×2×1.0	0.5	2.2	39.7	1990
MRE-M2X(St)CH-1P1.5	1×2×1.5	0.6	1.1	10.5	150
MRE-M2X(St)CH-2P1.5	2×2×1.5*	0.6	1.2	12.1	220
MRE-M2X(St)CH-3P1.5	3×2×1.5	0.6	1.4	17.2	360
MRE-M2X(St)CH-4P1.5	4×2×1.5	0.6	1.4	18.2	420
MRE-M2X(St)CH-7P1.5	7×2×1.5	0.6	1.5	21.8	620
MRE-M2X(St)CH-8P1.5	8×2×1.5	0.6	1.6	23.4	700
MRE-M2X(St)CH-10P1.5	10×2×1.5	0.6	1.7	26.3	840
MRE-M2X(St)CH-12P1.5	12×2×1.5	0.6	1.7	27.3	940
MRE-M2X(St)CH-14P1.5	14×2×1.5	0.6	1.8	28.5	1060
MRE-M2X(St)CH-16P1.5	16×2×1.5	0.6	1.9	30.8	1200
MRE-M2X(St)CH-19P1.5	19×2×1.5	0.6	1.9	32.1	1350
MRE-M2X(St)CH-24P1.5	24×2×1.5	0.6	2.1	37.1	1780
MRE-M2X(St)CH-30P1.5	30×2×1.5	0.6	2.3	41.6	2180
MRE-M2X(St)CH-32P1.5	32×2×1.5	0.6	2.3	42.3	2280
MRE-M2X(St)CH-37P1.5	37×2×1.5	0.6	2.4	44.5	2570
MRE-M2X(St)CH-1T0.75	1×3×0.75	0.5	1.1	9.7	130
MRE-M2X(St)CH-2T0.75	2×3×0.75	0.5	1.3	15.0	270
MRE-M2X(St)CH-3T0.75	3×3×0.75	0.5	1.3	15.8	320
MRE-M2X(St)CH-4T0.75	4×3×0.75	0.5	1.4	17.4	390
MRE-M2X(St)CH-7T0.75	7×3×0.75	0.5	1.5	21.5	590
MRE-M2X(St)CH-8T0.75	8×3×0.75	0.5	1.6	23.1	660
MRE-M2X(St)CH-10T0.75	10×3×0.75	0.5	1.7	26.1	790
MRE-M2X(St)CH-12T0.75	12×3×0.75	0.5	1.8	27.7	900
MRE-M2X(St)CH-14T0.75	14×3×0.75	0.5	1.8	28.8	1000
MRE-M2X(St)CH-16T0.75	16×3×0.75	0.5	1.9	30.7	1130
MRE-M2X(St)CH-19T0.75	19×3×0.75	0.5	2.0	33.1	1300
MRE-M2X(St)CH-24T0.75	24×3×0.75	0.5	2.1	37.1	1680
MRE-M2X(St)CH-30T0.75	30×3×0.75	0.5	2.3	41.1	2040
MRE-M2X(St)CH-32T0.75	32×3×0.75	0.5	2.3	42.5	2150
MRE-M2X(St)CH-37T0.75	37×3×0.75	0.5	2.4	44.7	2420
MRE-M2X(St)CH-1T1.0	1×3×1.0	0.5	1.1	10.2	150
MRE-M2X(St)CH-2T1.0	2×3×1.0	0.5	1.3	15.9	310
MRE-M2X(St)CH-3T1.0	3×3×1.0	0.5	1.4	17.0	380





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)CH-4T1.0	4×3×1.0	0.5	1.4	18.5	450
MRE-M2X(St)CH-7T1.0	7×3×1.0	0.5	1.6	23.1	690
MRE-M2X(St)CH-8T1.0	8×3×1.0	0.5	1.6	24.6	770
MRE-M2X(St)CH-10T1.0	10×3×1.0	0.5	1.8	28.0	930
MRE-M2X(St)CH-12T1.0	12×3×1.0	0.5	1.8	29.5	1050
MRE-M2X(St)CH-14T1.0	14×3×1.0	0.5	1.9	30.9	1190
MRE-M2X(St)CH-16T1.0	16×3×1.0	0.5	1.9	32.7	1320
MRE-M2X(St)CH-19T1.0	19×3×1.0	0.5	2.0	35.4	1530
MRE-M2X(St)CH-24T1.0	24×3×1.0	0.5	2.2	39.9	1990
MRE-M2X(St)CH-30T1.0	30×3×1.0	0.5	2.4	44.2	2420
MRE-M2X(St)CH-32T1.0	32×3×1.0	0.5	2.4	45.7	2560
MRE-M2X(St)CH-37T1.0	37×3×1.0	0.5	2.5	48.0	2870
MRE-M2X(St)CH-1T1.5	1×3×1.5	0.6	1.1	11.0	180
MRE-M2X(St)CH-2T1.5	2×3×1.5	0.6	1.4	17.5	370
MRE-M2X(St)CH-3T1.5	3×3×1.5	0.6	1.4	18.5	450
MRE-M2X(St)CH-4T1.5	4×3×1.5	0.6	1.5	20.4	560
MRE-M2X(St)CH-7T1.5	7×3×1.5	0.6	1.7	25.5	870
MRE-M2X(St)CH-8T1.5	8×3×1.5	0.6	1.7	27.2	970
MRE-M2X(St)CH-10T1.5	10×3×1.5	0.6	1.9	31.0	1170
MRE-M2X(St)CH-12T1.5	12×3×1.5	0.6	1.9	32.7	1340
MRE-M2X(St)CH-14T1.5	14×3×1.5	0.6	2.0	34.3	1510
MRE-M2X(St)CH-16T1.5	16×3×1.5	0.6	2.1	37.0	1800
MRE-M2X(St)CH-19T1.5	19×3×1.5	0.6	2.2	39.9	2080
MRE-M2X(St)CH-24T1.5	24×3×1.5	0.6	2.4	44.4	2560
MRE-M2X(St)CH-30T1.5	30×3×1.5	0.6	2.6	49.2	3110
MRE-M2X(St)CH-32T1.5	32×3×1.5	0.6	2.6	50.9	3300
MRE-M2X(St)CH-37T1.5	37×3×1.5	0.6	2.7	53.4	3710

*: 2 pairs are assembled as a quad.