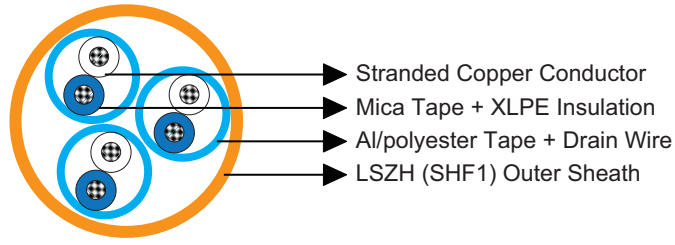
MRE-M2XH PiMF/TiMF 150/250V Mica Tape + XLPE Insulated, LSOH (SHF1) Sheathed, Individual Screened Fire Resistant Instrumentation & Control Cables (Multipair/Multitriple)

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.
- 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: 6×OD (OD>25mm); 4×OD (OD ≤25mm)
Temperature Range: -30℃ ~ +80℃

Dimensions and Weight

Part No.	Construction No. of elements×No. of cores in element×Cross section(mm²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MRE-M2XH PiMF-1P0.75	1×2×0.75	0.5	1.0	7.9	80
MRE-M2XH PiMF-2P0.75	2×2×0.75	0.5	1.2	12.4	170
MRE-M2XH PiMF-3P0.75	3×2×0.75	0.5	1.2	13.2	210
MRE-M2XH PiMF-4P0.75	4×2×0.75	0.5	1.3	14.3	260
MRE-M2XH PiMF-5P0.75	5×2×0.75	0.5	1.3	16.0	320
MRE-M2XH PiMF-6P0.75	6×2×0.75	0.5	1.4	17.4	380
MRE-M2XH PiMF-7P0.75	7×2×0.75	0.5	1.4	17.4	410
MRE-M2XH PiMF-8P0.75	8×2×0.75	0.5	1.4	18.5	460
MRE-M2XH PiMF-10P0.75	10×2×0.75	0.5	1.5	21.0	570
MRE-M2XH PiMF-12P0.75	12×2×0.75	0.5	1.5	21.8	650
MRE-M2XH PiMF-14P0.75	14×2×0.75	0.5	1.6	22.9	740
MRE-M2XH PiMF-16P0.75	16×2×0.75	0.5	1.6	24.6	840
MRE-M2XH PiMF-19P0.75	19×2×0.75	0.5	1.7	26.5	980
MRE-M2XH PiMF-20P0.75	20×2×0.75	0.5	1.7	26.5	1010
MRE-M2XH PiMF-24P0.75	24×2×0.75	0.5	1.9	30.6	1260
MRE-M2XH PiMF-30P0.75	30×2×0.75	0.5	2.0	33.4	1530
MRE-M2XH PiMF-37P0.75	37×2×0.75	0.5	2.1	35.9	1830
MRE-M2XH PiMF-1P1.0	1×2×1.0	0.5	1.0	8.3	90
MRE-M2XH PiMF-2P1.0	2×2×1.0	0.5	1.2	13.1	200
MRE-M2XH PiMF-3P1.0	3×2×1.0	0.5	1.3	14.2	250
MRE-M2XH PiMF-4P1.0	4×2×1.0	0.5	1.3	15.1	310
MRE-M2XH PiMF-5P1.0	5×2×1.0	0.5	1.4	17.1	380
MRE-M2XH PiMF-6P1.0	6×2×1.0	0.5	1.4	18.4	440
MRE-M2XH PiMF-7P1.0	7×2×1.0	0.5	1.4	18.4	480
MRE-M2XH PiMF-8P1.0	8×2×1.0	0.5	1.5	19.8	550
MRE-M2XH PiMF-10P1.0	10×2×1.0	0.5	1.6	22.4	690
MRE-M2XH PiMF-12P1.0	12×2×1.0	0.5	1.6	23.3	780
MRE-M2XH PiMF-14P1.0	14×2×1.0	0.5	1.6	24.2	880
MRE-M2XH PiMF-16P1.0	16×2×1.0	0.5	1.7	26.3	1020
MRE-M2XH PiMF-19P1.0	19×2×1.0	0.5	1.8	28.3	1190

Part No.	Construction No. of elements×No. of cores in element×Cross section(mm²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MRE-M2XH PiMF-20P1.0	20×2×1.0	0.5	1.8	28.3	1230
MRE-M2XH PiMF-24P1.0	24×2×1.0	0.5	1.9	32.5	1510
MRE-M2XH PiMF-30P1.0	30×2×1.0	0.5	2.0	35.4	1840
MRE-M2XH PiMF-37P1.0	37×2×1.0	0.5	2.1	38.1	2210
MRE-M2XH TiMF-1T0.75	1×3×0.75	0.5	1.0	8.3	100
MRE-M2XH TiMF-2T0.75	2×3×0.75	0.5	1.2	13.5	210
MRE-M2XH TiMF-3T0.75	3×3×0.75	0.5	1.3	14.5	270
MRE-M2XH TiMF-4T0.75	4×3×0.75	0.5	1.3	16.0	330
MRE-M2XH TiMF-5T0.75	5×3×0.75	0.5	1.4	17.9	410
MRE-M2XH TiMF-6T0.75	6×3×0.75	0.5	1.5	20.3	500
MRE-M2XH TiMF-7T0.75	7×3×0.75	0.5	1.5	20.3	540
MRE-M2XH TiMF-8T0.75	8×3×0.75	0.5	1.5	21.8	620
MRE-M2XH TiMF-10T0.75	10×3×0.75	0.5	1.7	25.0	780
MRE-M2XH TiMF-12T0.75	12×3×0.75	0.5	1.7	26.4	900
MRE-M2XH TiMF-14T0.75	14×3×0.75	0.5	1.8	27.7	1020
MRE-M2XH TiMF-16T0.75	16×3×0.75	0.5	1.8	29.5	1160
MRE-M2XH TiMF-19T0.75	19×3×0.75	0.5	1.9	32.0	1360
MRE-M2XH TiMF-20T0.75	20×3×0.75	0.5	1.9	32.5	1420
MRE-M2XH TiMF-24T0.75	24×3×0.75	0.5	2.1	35.7	1700
MRE-M2XH TiMF-30T0.75	30×3×0.75	0.5	2.2	39.6	2100
MRE-M2XH TiMF-32T0.75	32×3×0.75	0.5	2.3	41.2	2250
MRE-M2XH TiMF-1T1.0	1×3×1.0	0.5	1.1	8.9	120
MRE-M2XH TiMF-2T1.0	2×3×1.0	0.5	1.3	14.4	250
MRE-M2XH TiMF-3T1.0	3×3×1.0	0.5	1.3	15.4	310
MRE-M2XH TiMF-4T1.0	4×3×1.0	0.5	1.4	17.1	400
MRE-M2XH TiMF-5T1.0	5×3×1.0	0.5	1.4	18.9	480
MRE-M2XH TiMF-6T1.0	6×3×1.0	0.5	1.5	21.5	590
MRE-M2XH TiMF-7T1.0	7×3×1.0	0.5	1.5	21.5	640
MRE-M2XH TiMF-8T1.0	8×3×1.0	0.5	1.6	23.3	740
MRE-M2XH TiMF-10T1.0	10×3×1.0	0.5	1.7	26.5	930
MRE-M2XH TiMF-12T1.0	12×3×1.0	0.5	1.8	28.2	1090
MRE-M2XH TiMF-14T1.0	14×3×1.0	0.5	1.8	29.4	1220
MRE-M2XH TiMF-16T1.0	16×3×1.0	0.5	1.9	31.5	1400
MRE-M2XH TiMF-19T1.0	19×3×1.0	0.5	2.0	34.1	1640
MRE-M2XH TiMF-20T1.0	20×3×1.0	0.5	2.0	34.7	1710
MRE-M2XH TiMF-24T1.0	24×3×1.0	0.5	2.1	37.9	2040
MRE-M2XH TiMF-30T1.0	30×3×1.0	0.5	2.3	42.3	2540
MRE-M2XH TiMF-32T1.0	32×3×1.0	0.5	2.4	44.0	2720