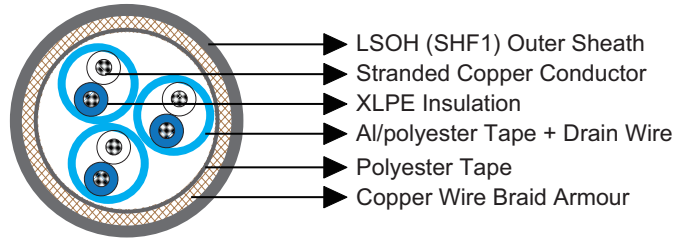
MRE-2XCH PiMF/TiMF 150/250V XLPE Insulated, LSOH (SHF1) Sheathed, Individual Screened & Armoured Flame Retardant Instrumentation & Control Cables (Multipair/Multitriple)

Application

These cables are used on board of ships at all locations for fixed installations 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.
- 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×OD
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-2XCH PiMF-1P0.75	1×2×0.75	0.5	1.2	8.3	110
MRE-2XCH PiMF-2P0.75	2×2×0.75	0.5	1.4	12.2	200
MRE-2XCH PiMF-3P0.75	3×2×0.75	0.5	1.4	13.0	240
MRE-2XCH PiMF-4P0.75	4×2×0.75	0.5	1.7	14.4	310
MRE-2XCH PiMF-5P0.75	5×2×0.75	0.5	1.7	15.9	370
MRE-2XCH PiMF-6P0.75	6×2×0.75	0.5	1.9	17.1	430
MRE-2XCH PiMF-7P0.75	7×2×0.75	0.5	1.9	17.1	450
MRE-2XCH PiMF-8P0.75	8×2×0.75	0.5	1.9	18.0	500
MRE-2XCH PiMF-10P0.75	10×2×0.75	0.5	2.0	20.2	610
MRE-2XCH PiMF-12P0.75	12×2×0.75	0.5	2.0	20.9	680
MRE-2XCH PiMF-14P0.75	14×2×0.75	0.5	2.0	21.7	750
MRE-2XCH PiMF-16P0.75	16×2×0.75	0.5	2.1	23.3	850
MRE-2XCH PiMF-19P0.75	19×2×0.75	0.5	2.2	25.0	980
MRE-2XCH PiMF-20P0.75	20×2×0.75	0.5	2.2	25.0	1010
MRE-2XCH PiMF-24P0.75	24×2×0.75	0.5	2.3	28.4	1220
MRE-2XCH PiMF-30P0.75	30×2×0.75	0.5	2.4	30.8	1460
MRE-2XCH PiMF-37P0.75	37×2×0.75	0.5	2.5	33.0	1720
MRE-2XCH PiMF-1P1.0	1×2×1.0	0.5	1.3	8.9	120
MRE-2XCH PiMF-2P1.0	2×2×1.0	0.5	1.4	12.9	230
MRE-2XCH PiMF-3P1.0	3×2×1.0	0.5	1.8	14.4	310
MRE-2XCH PiMF-4P1.0	4×2×1.0	0.5	1.8	15.2	360
MRE-2XCH PiMF-5P1.0	5×2×1.0	0.5	1.8	17.0	440
MRE-2XCH PiMF-6P1.0	6×2×1.0	0.5	1.8	18.1	500
MRE-2XCH PiMF-7P1.0	7×2×1.0	0.5	1.8	18.1	530
MRE-2XCH PiMF-8P1.0	8×2×1.0	0.5	1.8	19.1	590
MRE-2XCH PiMF-10P1.0	10×2×1.0	0.5	2.0	21.4	720
MRE-2XCH PiMF-12P1.0	12×2×1.0	0.5	2.1	22.4	820
MRE-2XCH PiMF-14P1.0	14×2×1.0	0.5	2.1	23.2	900
MRE-2XCH PiMF-16P1.0	16×2×1.0	0.5	2.2	25.0	1030
MRE-2XCH PiMF-19P1.0	19×2×1.0	0.5	2.2	26.6	1180

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-2XCH PiMF-20P1.0	20×2×1.0	0.5	2.2	26.6	1210
MRE-2XCH PiMF-24P1.0	24×2×1.0	0.5	2.4	30.4	1480
MRE-2XCH PiMF-30P1.0	30×2×1.0	0.5	2.5	33.0	1780
MRE-2XCH PiMF-37P1.0	37×2×1.0	0.5	2.5	35.2	2090
MRE-2XCH PiMF-1P1.5	1×2×1.5	0.6	1.3	9.9	150
MRE-2XCH PiMF-2P1.5	2×2×1.5	0.6	1.8	15.3	320
MRE-2XCH PiMF-3P1.5	3×2×1.5	0.6	1.8	16.3	390
MRE-2XCH PiMF-4P1.5	4×2×1.5	0.6	1.8	17.4	460
MRE-2XCH PiMF-5P1.5	5×2×1.5	0.6	1.8	19.5	560
MRE-2XCH PiMF-6P1.5	6×2×1.5	0.6	2.0	20.8	640
MRE-2XCH PiMF-7P1.5	7×2×1.5	0.6	2.0	20.8	690
MRE-2XCH PiMF-8P1.5	8×2×1.5	0.6	2.1	22.2	770
MRE-2XCH PiMF-10P1.5	10×2×1.5	0.6	2.2	24.9	950
MRE-2XCH PiMF-12P1.5	12×2×1.5	0.6	2.2	25.9	1070
MRE-2XCH PiMF-14P1.5	14×2×1.5	0.6	2.2	26.8	1180
MRE-2XCH PiMF-16P1.5	16×2×1.5	0.6	2.3	28.9	1350
MRE-2XCH PiMF-19P1.5	19×2×1.5	0.6	2.4	31.0	1560
MRE-2XCH PiMF-20P1.5	20×2×1.5	0.6	2.4	31.0	1600
MRE-2XCH PiMF-24P1.5	24×2×1.5	0.6	2.5	35.3	1950
MRE-2XCH PiMF-30P1.5	30×2×1.5	0.6	2.9	39.0	2450
MRE-2XCH PiMF-37P1.5	37×2×1.5	0.6	3.0	41.8	2900
MRE-2XCH TiMF-1T0.75	1×3×0.75	0.5	1.3	8.9	120
MRE-2XCH TiMF-2T0.75	2×3×0.75	0.5	1.4	13.2	230
MRE-2XCH TiMF-3T0.75	3×3×0.75	0.5	1.8	14.6	320
MRE-2XCH TiMF-4T0.75	4×3×0.75	0.5	1.8	15.8	380
MRE-2XCH TiMF-5T0.75	5×3×0.75	0.5	1.8	17.5	460
MRE-2XCH TiMF-6T0.75	6×3×0.75	0.5	2.0	19.6	550
MRE-2XCH TiMF-7T0.75	7×3×0.75	0.5	2.0	19.6	580
MRE-2XCH TiMF-8T0.75	8×3×0.75	0.5	2.0	20.9	650
MRE-2XCH TiMF-10T0.75	10×3×0.75	0.5	2.1	23.5	800
MRE-2XCH TiMF-12T0.75	12×3×0.75	0.5	2.2	24.9	910
MRE-2XCH TiMF-14T0.75	14×3×0.75	0.5	2.2	25.9	1010
MRE-2XCH TiMF-16T0.75	16×3×0.75	0.5	2.3	27.6	1140
MRE-2XCH TiMF-19T0.75	19×3×0.75	0.5	2.3	29.5	1300
MRE-2XCH TiMF-20T0.75	20×3×0.75	0.5	2.3	30.0	1350
MRE-2XCH TiMF-24T0.75	24×3×0.75	0.5	2.4	32.6	1590
MRE-2XCH TiMF-30T0.75	30×3×0.75	0.5	2.8	36.7	2030
MRE-2XCH TiMF-32T0.75	32×3×0.75	0.5	2.8	37.9	2150
MRE-2XCH TiMF-1T1.0	1×3×1.0	0.5	1.3	9.3	140

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MRE-2XCH TiMF-2T1.0	2×3×1.0	0.5	1.8	14.6	310
MRE-2XCH TiMF-3T1.0	3×3×1.0	0.5	1.8	15.4	370
MRE-2XCH TiMF-4T1.0	4×3×1.0	0.5	1.8	16.9	450
MRE-2XCH TiMF-5T1.0	5×3×1.0	0.5	1.8	18.5	530
MRE-2XCH TiMF-6T1.0	6×3×1.0	0.5	2.0	20.8	640
MRE-2XCH TiMF-7T1.0	7×3×1.0	0.5	2.0	20.8	680
MRE-2XCH TiMF-8T1.0	8×3×1.0	0.5	2.1	22.4	780
MRE-2XCH TiMF-10T1.0	10×3×1.0	0.5	2.2	25.2	960
MRE-2XCH TiMF-12T1.0	12×3×1.0	0.5	2.2	26.5	1080
MRE-2XCH TiMF-14T1.0	14×3×1.0	0.5	2.3	27.8	1220
MRE-2XCH TiMF-16T1.0	16×3×1.0	0.5	2.3	29.4	1360
MRE-2XCH TiMF-19T1.0	19×3×1.0	0.5	2.4	31.7	1580
MRE-2XCH TiMF-20T1.0	20×3×1.0	0.5	2.4	32.2	1640
MRE-2XCH TiMF-24T1.0	24×3×1.0	0.5	2.5	35.0	1930
MRE-2XCH TiMF-30T1.0	30×3×1.0	0.5	2.9	39.4	2470
MRE-2XCH TiMF-32T1.0	32×3×1.0	0.5	2.9	40.7	2620
MRE-2XCH TiMF-1T1.5	1×3×1.5	0.6	1.3	10.4	170
MRE-2XCH TiMF-2T1.5	2×3×1.5	0.6	1.8	16.5	380
MRE-2XCH TiMF-3T1.5	3×3×1.5	0.6	1.9	17.7	480
MRE-2XCH TiMF-4T1.5	4×3×1.5	0.6	1.9	19.2	570
MRE-2XCH TiMF-5T1.5	5×3×1.5	0.6	1.9	21.3	690
MRE-2XCH TiMF-6T1.5	6×3×1.5	0.6	2.1	24.0	840
MRE-2XCH TiMF-7T1.5	7×3×1.5	0.6	2.1	24.0	900
MRE-2XCH TiMF-8T1.5	8×3×1.5	0.6	2.2	25.8	1020
MRE-2XCH TiMF-10T1.5	10×3×1.5	0.6	2.3	29.1	1260
MRE-2XCH TiMF-12T1.5	12×3×1.5	0.6	2.4	30.9	1450
MRE-2XCH TiMF-14T1.5	14×3×1.5	0.6	2.4	32.2	1620
MRE-2XCH TiMF-16T1.5	16×3×1.5	0.6	2.5	34.3	1830
MRE-2XCH TiMF-19T1.5	19×3×1.5	0.6	2.8	37.5	2210
MRE-2XCH TiMF-20T1.5	20×3×1.5	0.6	2.8	38.1	2300
MRE-2XCH TiMF-24T1.5	24×3×1.5	0.6	3.0	41.6	2720
MRE-2XCH TiMF-30T1.5	30×3×1.5	0.6	3.1	45.9	3310
MRE-2XCH TiMF-32T1.5	32×3×1.5	0.6	3.2	47.7	3530