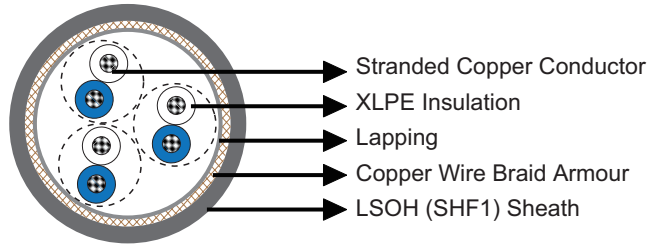
MRE-2XCH 150/250V XLPE Insulated, LSOH (SHF1) Sheathed, Armoured Flame Retardant Instrumentation & Control Cables (Multipair/Multitriple)

Application

These armoured cables are used on board of ships in 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.
- 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-1P0.75	1×2×0.75	0.5	1.2	8.1	90
MRE-2XCH-2P0.75	2×2×0.75	0.5	1.3	9.3	130
MRE-2XCH-3P0.75	3×2×0.75	0.5	1.4	12.4	200
MRE-2XCH-4P0.75	4×2×0.75	0.5	1.4	13.1	230
MRE-2XCH-5P0.75	5×2×0.75	0.5	1.8	15.2	320
MRE-2XCH-6P0.75	6×2×0.75	0.5	1.8	16.1	350
MRE-2XCH-7P0.75	7×2×0.75	0.5	1.8	16.1	370
MRE-2XCH-8P0.75	8×2×0.75	0.5	1.9	17.2	420
MRE-2XCH-10P0.75	10×2×0.75	0.5	1.9	19.1	500
MRE-2XCH-12P0.75	12×2×0.75	0.5	2.0	20.0	560
MRE-2XCH-14P0.75	14×2×0.75	0.5	2.0	20.6	610
MRE-2XCH-16P0.75	16×2×0.75	0.5	2.1	22.2	690
MRE-2XCH-19P0.75	19×2×0.75	0.5	2.1	23.6	790
MRE-2XCH-20P0.75	20×2×0.75	0.5	2.1	23.6	800
MRE-2XCH-24P0.75	24×2×0.75	0.5	2.2	26.8	980
MRE-2XCH-30P0.75	30×2×0.75	0.5	2.3	29.1	1160
MRE-2XCH-37P0.75	37×2×0.75	0.5	2.4	31.1	1360
MRE-2XCH-1P1.0	1×2×1.0	0.5	1.3	8.7	110
MRE-2XCH-2P1.0	2×2×1.0	0.5	1.3	9.7	150
MRE-2XCH-3P1.0	3×2×1.0	0.5	1.4	13.2	230
MRE-2XCH-4P1.0	4×2×1.0	0.5	1.8	14.6	310
MRE-2XCH-5P1.0	5×2×1.0	0.5	1.8	16.1	360
MRE-2XCH-6P1.0	6×2×1.0	0.5	1.9	17.3	420
MRE-2XCH-7P1.0	7×2×1.0	0.5	1.9	17.3	440
MRE-2XCH-8P1.0	8×2×1.0	0.5	1.9	18.3	490
MRE-2XCH-10P1.0	10×2×1.0	0.5	2.0	20.5	590
MRE-2XCH-12P1.0	12×2×1.0	0.5	2.0	21.3	660
MRE-2XCH-14P1.0	14×2×1.0	0.5	2.1	22.2	730
MRE-2XCH-16P1.0	16×2×1.0	0.5	2.1	23.7	820
MRE-2XCH-19P1.0	19×2×1.0	0.5	2.2	25.4	940

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-20P1.0	20×2×1.0	0.5	2.2	25.4	960
MRE-2XCH-24P1.0	24×2×1.0	0.5	2.3	28.9	1170
MRE-2XCH-30P1.0	30×2×1.0	0.5	2.4	31.3	1400
MRE-2XCH-37P1.0	37×2×1.0	0.5	2.5	33.5	1640
MRE-2XCH-1P1.5	1×2×1.5	0.6	1.3	9.7	140
MRE-2XCH-2P1.5	2×2×1.5	0.6	1.3	10.9	190
MRE-2XCH-3P1.5	3×2×1.5	0.6	1.8	15.7	340
MRE-2XCH-4P1.5	4×2×1.5	0.6	1.9	16.8	400
MRE-2XCH-5P1.5	5×2×1.5	0.6	1.9	18.6	480
MRE-2XCH-6P1.5	6×2×1.5	0.6	2.0	20.0	550
MRE-2XCH-7P1.5	7×2×1.5	0.6	2.0	20.0	590
MRE-2XCH-8P1.5	8×2×1.5	0.6	2.0	21.2	650
MRE-2XCH-10P1.5	10×2×1.5	0.6	2.1	23.8	800
MRE-2XCH-12P1.5	12×2×1.5	0.6	2.2	24.9	900
MRE-2XCH-14P1.5	14×2×1.5	0.6	2.2	25.8	990
MRE-2XCH-16P1.5	16×2×1.5	0.6	2.3	27.8	1130
MRE-2XCH-19P1.5	19×2×1.5	0.6	2.3	29.6	1290
MRE-2XCH-20P1.5	20×2×1.5	0.6	2.3	29.6	1320
MRE-2XCH-24P1.5	24×2×1.5	0.6	2.5	33.9	1630
MRE-2XCH-30P1.5	30×2×1.5	0.6	2.8	37.3	2040
MRE-2XCH-37P1.5	37×2×1.5	0.6	2.9	39.9	2390
MRE-2XCH-1T0.75	1×3×0.75	0.5	1.3	8.7	110
MRE-2XCH-2T0.75	2×3×0.75	0.5	1.4	12.6	210
MRE-2XCH-3T0.75	3×3×0.75	0.5	1.4	13.3	240
MRE-2XCH-4T0.75	4×3×0.75	0.5	1.8	15.2	330
MRE-2XCH-5T0.75	5×3×0.75	0.5	1.9	16.8	400
MRE-2XCH-6T0.75	6×3×0.75	0.5	1.9	18.6	470
MRE-2XCH-7T0.75	7×3×0.75	0.5	1.9	18.6	490
MRE-2XCH-8T0.75	8×3×0.75	0.5	2.0	20.0	560
MRE-2XCH-10T0.75	10×3×0.75	0.5	2.1	22.5	690
MRE-2XCH-12T0.75	12×3×0.75	0.5	2.1	23.6	770
MRE-2XCH-14T0.75	14×3×0.75	0.5	2.1	24.5	850
MRE-2XCH-16T0.75	16×3×0.75	0.5	2.2	26.1	950
MRE-2XCH-19T0.75	19×3×0.75	0.5	2.3	28.2	1100
MRE-2XCH-20T0.75	20×3×0.75	0.5	2.3	28.6	1140
MRE-2XCH-24T0.75	24×3×0.75	0.5	2.4	31.1	1340
MRE-2XCH-30T0.75	30×3×0.75	0.5	2.5	34.3	1620
MRE-2XCH-32T0.75	32×3×0.75	0.5	2.5	35.4	1720
MRE-2XCH-1T1.0	1×3×1.0	0.5	1.3	9.1	130

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-2T1.0	2×3×1.0	0.5	1.4	13.4	240
MRE-2XCH-3T1.0	3×3×1.0	0.5	1.8	14.9	320
MRE-2XCH-4T1.0	4×3×1.0	0.5	1.8	16.1	380
MRE-2XCH-5T1.0	5×3×1.0	0.5	1.9	17.8	460
MRE-2XCH-6T1.0	6×3×1.0	0.5	2.0	20.0	560
MRE-2XCH-7T1.0	7×3×1.0	0.5	2.0	20.0	590
MRE-2XCH-8T1.0	8×3×1.0	0.5	2.0	21.3	660
MRE-2XCH-10T1.0	10×3×1.0	0.5	2.1	24.0	810
MRE-2XCH-12T1.0	12×3×1.0	0.5	2.2	25.4	920
MRE-2XCH-14T1.0	14×3×1.0	0.5	2.2	26.4	1020
MRE-2XCH-16T1.0	16×3×1.0	0.5	2.3	28.1	1150
MRE-2XCH-19T1.0	19×3×1.0	0.5	2.4	30.3	1330
MRE-2XCH-20T1.0	20×3×1.0	0.5	2.4	30.8	1380
MRE-2XCH-24T1.0	24×3×1.0	0.5	2.5	33.5	1620
MRE-2XCH-30T1.0	30×3×1.0	0.5	2.8	37.5	2060
MRE-2XCH-32T1.0	32×3×1.0	0.5	2.9	38.9	2190
MRE-2XCH-1T1.5	1×3×1.5	0.6	1.3	10.2	160
MRE-2XCH-2T1.5	2×3×1.5	0.6	1.8	16.0	350
MRE-2XCH-3T1.5	3×3×1.5	0.6	1.9	17.1	430
MRE-2XCH-4T1.5	4×3×1.5	0.6	1.9	18.6	510
MRE-2XCH-5T1.5	5×3×1.5	0.6	2.0	20.6	620
MRE-2XCH-6T1.5	6×3×1.5	0.6	2.1	23.2	750
MRE-2XCH-7T1.5	7×3×1.5	0.6	2.1	23.2	800
MRE-2XCH-8T1.5	8×3×1.5	0.6	2.2	24.9	900
MRE-2XCH-10T1.5	10×3×1.5	0.6	2.3	28.1	1110
MRE-2XCH-12T1.5	12×3×1.5	0.6	2.3	29.6	1260
MRE-2XCH-14T1.5	14×3×1.5	0.6	2.4	31.0	1410
MRE-2XCH-16T1.5	16×3×1.5	0.6	2.5	33.0	1590
MRE-2XCH-19T1.5	19×3×1.5	0.6	2.5	35.4	1830
MRE-2XCH-20T1.5	20×3×1.5	0.6	2.8	36.7	2010
MRE-2XCH-24T1.5	24×3×1.5	0.6	2.9	39.9	2360
MRE-2XCH-30T1.5	30×3×1.5	0.6	3.1	44.2	2880
MRE-2XCH-32T1.5	32×3×1.5	0.6	3.1	45.7	3060