



## MRE-2X(St)H 150/250V XLPE Insulated, LSOH (SHF1) Sheathed, Overall Screened Flame Retardant Instrumentation & Control Cables (Multipair/Multitriple)

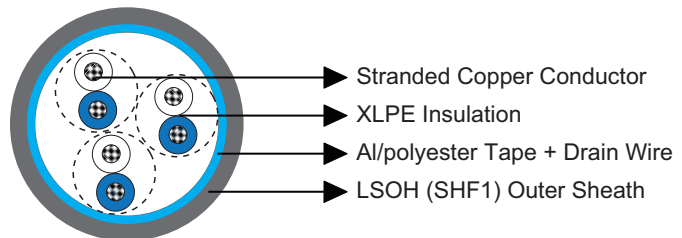
---

### Application

These cables are used on board of ships at all locations for fixed installations not subject to mechanical risk 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.
- 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:  $6 \times OD$   
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 <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MRE-2X(St)H-2P0.5	2×2×0.5	0.4	1.0	8.5	75
MRE-2X(St)H-4P0.5	4×2×0.5	0.4	1.1	10.0	110
MRE-2X(St)H-7P0.5	7×2×0.5	0.4	1.1	12.0	160
MRE-2X(St)H-10P0.5	10×2×0.5	0.4	1.2	15.0	225
MRE-2X(St)H-14P0.5	14×2×0.5	0.4	1.3	16.5	290
MRE-2X(St)H-19P0.5	19×2×0.5	0.4	1.3	18.0	370
MRE-2X(St)H-24P0.5	24×2×0.5	0.4	1.4	20.5	460
MRE-2X(St)H-1P0.75	1×2×0.75	0.5	1.0	6.9	60
MRE-2X(St)H-2P0.75	2×2×0.75*	0.5	1.0	7.8	80
MRE-2X(St)H-3P0.75	3×2×0.75	0.5	1.1	10.8	130
MRE-2X(St)H-4P0.75	4×2×0.75	0.5	1.2	11.7	160
MRE-2X(St)H-7P0.75	7×2×0.75	0.5	1.3	14.1	240
MRE-2X(St)H-8P0.75	8×2×0.75	0.5	1.3	15.0	270
MRE-2X(St)H-10P0.75	10×2×0.75	0.5	1.4	16.9	320
MRE-2X(St)H-12P0.75	12×2×0.75	0.5	1.4	17.6	360
MRE-2X(St)H-14P0.75	14×2×0.75	0.5	1.4	18.3	410
MRE-2X(St)H-16P0.75	16×2×0.75	0.5	1.5	19.8	470
MRE-2X(St)H-19P0.75	19×2×0.75	0.5	1.5	20.7	530
MRE-2X(St)H-24P0.75	24×2×0.75	0.5	1.6	23.5	670
MRE-2X(St)H-30P0.75	30×2×0.75	0.5	1.7	26.3	820
MRE-2X(St)H-32P0.75	32×2×0.75	0.5	1.7	26.8	860
MRE-2X(St)H-37P0.75	37×2×0.75	0.5	1.8	28.3	990
MRE-2X(St)H-1P1.0	1×2×1.0	0.5	1.0	7.3	70
MRE-2X(St)H-2P1.0	2×2×1.0*	0.5	1.0	8.3	100
MRE-2X(St)H-3P1.0	3×2×1.0	0.5	1.2	11.8	160
MRE-2X(St)H-4P1.0	4×2×1.0	0.5	1.2	12.5	190
MRE-2X(St)H-7P1.0	7×2×1.0	0.5	1.3	15.1	290
MRE-2X(St)H-8P1.0	8×2×1.0	0.5	1.3	16.1	320
MRE-2X(St)H-10P1.0	10×2×1.0	0.5	1.4	18.2	390
MRE-2X(St)H-12P1.0	12×2×1.0	0.5	1.4	18.9	450



# Caledonian

Any inquiries, please feel free to contact  
[enquiry@shipboard-cables.com](mailto:enquiry@shipboard-cables.com) or [sales@shipboard-cables.com](mailto:sales@shipboard-cables.com)



Part No.	Construction No. of elements×No. of cores in element×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MRE-2X(St)H-14P1.0	14×2×1.0	0.5	1.5	19.8	510
MRE-2X(St)H-16P1.0	16×2×1.0	0.5	1.5	21.3	570
MRE-2X(St)H-19P1.0	19×2×1.0	0.5	1.6	22.4	670
MRE-2X(St)H-24P1.0	24×2×1.0	0.5	1.7	25.5	830
MRE-2X(St)H-30P1.0	30×2×1.0	0.5	1.8	28.6	1030
MRE-2X(St)H-32P1.0	32×2×1.0	0.5	1.8	29.1	1080
MRE-2X(St)H-37P1.0	37×2×1.0	0.5	1.9	30.7	1230
MRE-2X(St)H-1P1.5	1×2×1.5	0.6	1.0	8.3	90
MRE-2X(St)H-2P1.5	2×2×1.5*	0.6	1.1	9.7	140
MRE-2X(St)H-3P1.5	3×2×1.5	0.6	1.2	13.6	210
MRE-2X(St)H-4P1.5	4×2×1.5	0.6	1.3	14.7	260
MRE-2X(St)H-7P1.5	7×2×1.5	0.6	1.4	17.8	400
MRE-2X(St)H-8P1.5	8×2×1.5	0.6	1.4	19.0	450
MRE-2X(St)H-10P1.5	10×2×1.5	0.6	1.5	21.5	540
MRE-2X(St)H-12P1.5	12×2×1.5	0.6	1.6	22.6	630
MRE-2X(St)H-14P1.5	14×2×1.5	0.6	1.6	23.4	710
MRE-2X(St)H-16P1.5	16×2×1.5	0.6	1.7	25.4	820
MRE-2X(St)H-19P1.5	19×2×1.5	0.6	1.7	26.5	930
MRE-2X(St)H-24P1.5	24×2×1.5	0.6	1.9	30.4	1180
MRE-2X(St)H-30P1.5	30×2×1.5	0.6	2.0	34.1	1460
MRE-2X(St)H-32P1.5	32×2×1.5	0.6	2.0	34.7	1540
MRE-2X(St)H-37P1.5	37×2×1.5	0.6	2.1	36.6	1760
MRE-2X(St)H-1T0.75	1×3×0.75	0.5	1.0	7.2	70
MRE-2X(St)H-2T0.75	2×3×0.75	0.5	1.1	11.0	130
MRE-2X(St)H-3T0.75	3×3×0.75	0.5	1.2	11.8	170
MRE-2X(St)H-4T0.75	4×3×0.75	0.5	1.2	12.9	210
MRE-2X(St)H-7T0.75	7×3×0.75	0.5	1.3	16.2	330
MRE-2X(St)H-8T0.75	8×3×0.75	0.5	1.4	17.5	380
MRE-2X(St)H-10T0.75	10×3×0.75	0.5	1.5	19.9	460
MRE-2X(St)H-12T07.5	12×3×0.75	0.5	1.5	20.9	520
MRE-2X(St)H-14T0.75	14×3×0.75	0.5	1.5	21.8	590
MRE-2X(St)H-16T0.75	16×3×0.75	0.5	1.6	23.3	670
MRE-2X(St)H-19T0.75	19×3×0.75	0.5	1.7	25.3	790
MRE-2X(St)H-24T0.75	24×3×0.75	0.5	1.8	28.1	980
MRE-2X(St)H-30T0.75	30×3×0.75	0.5	1.9	31.1	1200
MRE-2X(St)H-32T0.75	32×3×0.75	0.5	1.9	32.2	1270
MRE-2X(St)H-37T0.75	37×3×0.75	0.5	2.0	33.9	1450
MRE-2X(St)H-1T1.0	1×3×1.0	0.5	1.0	7.7	80
MRE-2X(St)H-2T1.0	2×3×1.0	0.5	1.2	12.1	160



Part No.	Construction No. of elements×No. of cores in element×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MRE-2X(St)H-3T1.0	3×3×1.0	0.5	1.2	12.8	200
MRE-2X(St)H-4T1.0	4×3×1.0	0.5	1.3	14.2	260
MRE-2X(St)H-7T1.0	7×3×1.0	0.5	1.4	17.8	410
MRE-2X(St)H-8T1.0	8×3×1.0	0.5	1.4	19.0	460
MRE-2X(St)H-10T1.0	10×3×1.0	0.5	1.5	21.6	560
MRE-2X(St)H-12T1.0	12×3×1.0	0.5	1.6	23.0	660
MRE-2X(St)H-14T1.0	14×3×1.0	0.5	1.6	24.0	740
MRE-2X(St)H-16T1.0	16×3×1.0	0.5	1.7	25.6	840
MRE-2X(St)H-19T1.0	19×3×1.0	0.5	1.8	27.8	990
MRE-2X(St)H-24T1.0	24×3×1.0	0.5	1.9	30.8	1230
MRE-2X(St)H-30T1.0	30×3×1.0	0.5	2.0	34.2	1510
MRE-2X(St)H-32T1.0	32×3×1.0	0.5	2.0	35.4	1600
MRE-2X(St)H-37T1.0	37×3×1.0	0.5	2.1	37.3	1830
MRE-2X(St)H-1T1.5	1×3×1.5	0.6	1.1	8.9	110
MRE-2X(St)H-2T1.5	2×3×1.5	0.6	1.2	13.8	210
MRE-2X(St)H-3T1.5	3×3×1.5	0.6	1.3	14.9	280
MRE-2X(St)H-4T1.5	4×3×1.5	0.6	1.3	16.3	350
MRE-2X(St)H-7T1.5	7×3×1.5	0.6	1.5	20.8	570
MRE-2X(St)H-8T1.5	8×3×1.5	0.6	1.6	22.4	660
MRE-2X(St)H-10T1.5	10×3×1.5	0.6	1.7	25.5	790
MRE-2X(St)H-12T1.5	12×3×1.5	0.6	1.7	26.9	920
MRE-2X(St)H-14T1.5	14×3×1.5	0.6	1.8	28.3	1050
MRE-2X(St)H-16T1.5	16×3×1.5	0.6	1.8	30.0	1180
MRE-2X(St)H-19T1.5	19×3×1.5	0.6	1.9	32.5	1390
MRE-2X(St)H-24T1.5	24×3×1.5	0.6	2.1	36.3	1740
MRE-2X(St)H-30T1.5	30×3×1.5	0.6	2.2	40.3	2150
MRE-2X(St)H-32T1.5	32×3×1.5	0.6	2.3	41.9	2300
MRE-2X(St)H-37T1.5	37×3×1.5	0.6	2.4	44.1	2620

\*: 2 pairs are assembled as a quad.