



M2XH-FFR 0.6/1 kV Mica Tape + XLPE Insulated, LSOH (SHF1)

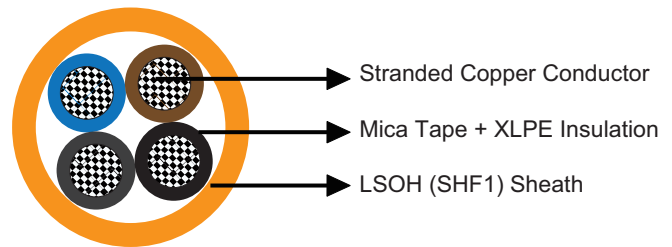
Sheathed Fire Resistant Power & Control Cables (Multicore)

Application

These unarmoured fire resistant cables are used on board of ships in all locations for fixed installations where cable protection is not required. These cables are fire resistant, flame retardant, low smoke & halogen free.

Standards

- IEC 60092-350/351/353/359
- IEC 60331-21
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1/2
- IEC 61034



Construction

- Conductors: Class 2 stranded copper conductor. Class 5 stranded conductors can be offered upon request.
- Insulation: Mica tape + XLPE.
- Outer Sheath: LSOH (SHF1).

Core Identification

Two cores: Blue, Brown.

Three cores: Brown, Black, Grey.

Four cores: Blue, Brown, Black, Grey.

Five cores: Blue, Brown, Black, Grey, Black.

Multi cores: White with black numbers.



Mechanical and Thermal Properties

Bending Radius for Fixed Installations: $6 \times OD$ ($OD > 25\text{mm}$); $4 \times OD$ ($OD \leq 25\text{mm}$)
 Temperature Range: $-30^\circ\text{C} \sim +80^\circ\text{C}$

Dimensions and Weight

M2XH-FFR Multicore 0.6/1kV

Part No.	Construction No. of cores \times Cross section (mm^2)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
M2XH-FFR -2C1.5	2 \times 1.5	0.7	1.1	8.5	85
M2XH-FFR -2C2.5	2 \times 2.5	0.7	1.1	9.5	110
M2XH-FFR -2C4	2 \times 4	0.9	1.1	11.7	140
M2XH-FFR -2C6	2 \times 6	0.9	1.2	13.0	230
M2XH-FFR -2C10	2 \times 10	0.9	1.2	14.7	330
M2XH-FFR -2C16	2 \times 16	0.9	1.3	17.0	490
M2XH-FFR -2C25	2 \times 25	0.9	1.3	19.5	750
M2XH-FFR -2C35	2 \times 35	0.9	1.5	22.0	990
M2XH-FFR -2C50	2 \times 50	1.0	1.5	24.8	1340
M2XH-FFR -3C1.5	3 \times 1.5	0.7	1.1	9.5	105
M2XH-FFR -3C2.5	3 \times 2.5	0.7	1.1	10.0	145
M2XH-FFR -3C4	3 \times 4	0.9	1.2	12.7	205
M2XH-FFR -3C6	3 \times 6	0.9	1.2	13.9	270
M2XH-FFR -3C10	3 \times 10	0.9	1.3	15.9	400
M2XH-FFR -3C16	3 \times 16	0.9	1.3	18.4	610
M2XH-FFR -3C25	3 \times 25	0.9	1.5	21.4	920
M2XH-FFR -3C35	3 \times 35	0.9	1.6	24.2	1330
M2XH-FFR -3C50	3 \times 50	1.0	1.7	27.5	1830
M2XH-FFR -3C70	3 \times 70	1.1	1.8	32.0	2570
M2XH-FFR -3C70S	3 \times 70 (sector shaped)	1.1	1.8	27.5	2370
M2XH-FFR -3C95	3 \times 95	1.1	1.9	36.4	3360
M2XH-FFR -3C95S	3 \times 95 (sector shaped)	1.1	1.9	31.1	3130
M2XH-FFR -3C120	3 \times 120	1.2	2.1	40.7	4180
M2XH-FFR -3C120S	3 \times 120 (sector shaped)	1.2	2.1	34.4	3930
M2XH-FFR -4C1.5	4 \times 1.5	0.7	1.1	10.0	135
M2XH-FFR -4C2.5	4 \times 2.5	0.7	1.1	11.2	180
M2XH-FFR -4C4	4 \times 4	0.9	1.2	13.9	260
M2XH-FFR -4C6	4 \times 6	0.9	1.2	15.2	350





IEC Standard Caledonian Offshore & Marine Cables

MariFlex Marine Fire Resistant Power & Control Cables

www.caledonian-cables.co.uk

Part No.	Construction No. of cores×Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
M2XH-FFR -4C10	4×10	0.9	1.3	17.4	530
M2XH-FFR -4C16	4×16	0.9	1.4	20.2	800
M2XH-FFR -4C25	4×25	0.9	1.5	23.5	1230
M2XH-FFR -4C35	4×35	0.9	1.7	26.7	1650
M2XH-FFR -5C1.5	5×1.5	0.7	1.1	11.0	170
M2XH-FFR -7C1.5	7×1.5	0.7	1.2	12.6	210
M2XH-FFR -12C1.5	12×1.5	0.7	1.3	16.5	350
M2XH-FFR -19C1.5	19×1.5	0.7	1.4	19.6	520
M2XH-FFR -27C1.5	27×1.5	0.7	1.5	23.3	730
M2XH-FFR -37C1.5	37×1.5	0.7	1.6	26.3	980
M2XH-FFR -5C2.5	5×2.5	0.7	1.2	12.5	240
M2XH-FFR -7C2.5	7×2.5	0.7	1.2	14.1	300
M2XH-FFR -12C2.5	12×2.5	0.7	1.3	18.6	490
M2XH-FFR -19C2.5	19×2.5	0.7	1.4	22.1	750
M2XH-FFR -27C2.5	27×2.5	0.7	1.5	26.4	1060

