



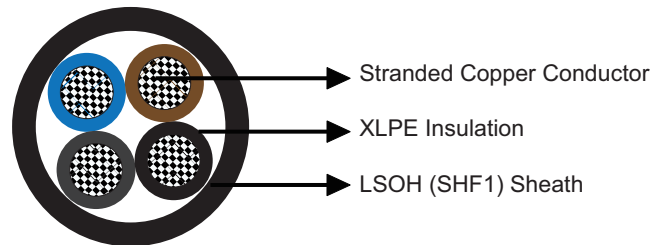
M2XH 0.6/1 kV XLPE Insulated, LSOH (SHF1) Sheathed Flame Retardant Power & Control Cables (Multicore)

Application

These unarmoured power & control cables are used on board of ships in 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.

Standards

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



Construction

- Conductors: Class 2 stranded copper conductor, round or sector shaped. Class 5 stranded conductors can be offered upon request.
- Insulation: XLPE.
- Filler (optional): Halogen free filling compound.
- 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.

With yellow/green (optional)

Two cores + earth (3G): Yellow/green, Blue, Brown.

Three cores + earth (4G): Yellow/green, Brown, Black, Grey.

Four cores + earth (5G): Yellow/green, Blue, Brown, Black, Grey.





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 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 -2C1.5	2 \times 1.5	0.7	1.1	8.4	80
M2XH -2C2.5	2 \times 2.5	0.7	1.1	9.2	100
M2XH -2C4	2 \times 4	0.9	1.1	11.1	135
M2XH -2C6	2 \times 6	0.9	1.2	12.4	185
M2XH -2C10	2 \times 10	0.9	1.2	14.1	270
M2XH -2C16	2 \times 16	0.9	1.3	16.4	400
M2XH -2C25	2 \times 25	0.9	1.3	18.8	700
M2XH -2C35	2 \times 35	0.9	1.3	21.4	930
M2XH -2C50	2 \times 50	1.0	1.3	24.2	1290
M2XH -3C1.5(3G1.5)	3 \times (G)1.5	0.7	1.1	8.8	100
M2XH -3C2.5(3G2.5)	3 \times (G)2.5	0.7	1.1	9.8	130
M2XH -3C4(3G4)	3 \times (G)4	0.9	1.2	12.0	190
M2XH -3C6(3G6)	3 \times (G)6	0.9	1.2	13.2	250
M2XH -3C10	3 \times 10	0.9	1.3	15.2	380
M2XH -3C16(3G16)	3 \times 16	0.9	1.3	17.5	560
M2XH -3C25	3 \times 25	0.9	1.5	20.7	875
M2XH -3C35	3 \times 35	0.9	1.6	23.5	1220
M2XH -3C35S	3 \times 35 (sector shaped)	0.9	1.5	20.1	1135
M2XH -3C50	3 \times 50	1.0	1.7	26.7	1780
M2XH -3C50S	3 \times 50 (sector shaped)	1.0	1.7	22.8	1530
M2XH -3C70S	3 \times 70 (sector shaped)	1.1	1.8	26.7	2150
M2XH -3C95S	3 \times 95 (sector shaped)	1.1	1.9	30.2	2900
M2XH -3C120S	3 \times 120 (sector shaped)	1.2	2.1	34.0	3675
M2XH -4C1.5(4G1.5)	4 \times (G)1.5	0.7	1.1	9.6	120
M2XH -4C2.5(4G2.5)	4 \times (G)2.5	0.7	1.1	10.7	165
M2XH -4C4(4G4)	4 \times (G)4	0.9	1.2	13.2	240
M2XH -4C6(4G6)	4 \times (G)6	0.9	1.2	14.5	320
M2XH -4C10(4G10)	4 \times (G)10	0.9	1.3	16.7	490

IEC Standard Caledonian Offshore & Marine Cables



MariTox Marine Flame Retardant 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-4C16(4G16)	4×(G)16	0.9	1.4	19.5	740
M2XH-4C25(4G25)	4×(G)25	0.9	1.5	22.8	1145
M2XH-4G35	4G35	0.9	1.7	26.0	1515
M2XH-4G50	4G50	1.0	1.8	29.7	2340
M2XH-5C1.5(5G1.5)	5×(G)1.5	0.7	1.1	10.5	145
M2XH-5C2.5(5G2.5)	5×(G)2.5	0.7	1.2	11.9	205
M2XH-5G6	5G6	0.9	1.3	16.1	400
M2XH-5G16	5G16	0.9	1.5	21.6	920
M2XH-6C1.5	6×1.5	0.7	1.2	11.6	180
M2XH-7C1.5	7×1.5	0.7	1.2	11.7	195
M2XH-8C1.5(8G1.5)	8×(G)1.5	0.7	1.2	12.7	225
M2XH-10C1.5	10×1.5	0.7	1.3	14.8	275
M2XH-12C1.5	12×1.5	0.7	1.3	15.3	315
M2XH-16C1.5	16×1.5	0.7	1.4	17.2	410
M2XH-19C1.5	19×1.5	0.7	1.4	18.1	470
M2XH-24C1.5	24×1.5	0.7	1.5	21.3	620
M2XH-5C2.5	5×2.5	0.7	1.2	11.9	210
M2XH-7C2.5	7×2.5	0.7	1.2	13.2	280
M2XH-12C2.5	12×2.5	0.7	1.3	17.4	460
M2XH-19C2.5	19×2.5	0.7	1.4	20.6	690
M2XH-24C2.5	24×2.5	0.7	1.5	24.3	880
M2XH-27C2.5	27×2.5	0.7	1.5	24.6	970
M2XH-37C2.5	37×2.5	0.7	1.6	27.7	1300

