



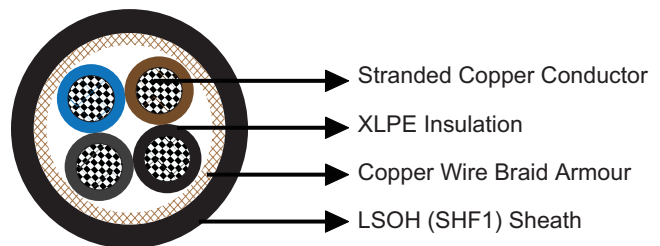
## M2XCH 0.6/1 kV XLPE Insulated, LSOH (SHF1) Sheathed, Armoured Flame Retardant Power & Control Cables (Multicore)

### Application

These armoured cables are used on board of ships in all locations for fixed installations where cable protection is required. 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.
- Inner Covering: Lapping.
- Armour: Copper wire braid.
- 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:  $6 \times OD$   
 Temperature Range:  $-30^{\circ}C \sim +80^{\circ}C$

### Dimensions and Weight

#### M2XCH Multicore Armoured 0.6/1kV

Part No.	Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
M2XCH -2C1.5	2×1.5	0.7	1.1	9.3	120
M2XCH -2C2.5	2×2.5	0.7	1.1	10.1	150
M2XCH -2C4	2×4	0.9	1.2	12.2	195
M2XCH -2C6	2×6	0.9	1.2	13.7	275
M2XCH -2C10	2×10	0.9	1.3	15.7	385
M2XCH -2C16	2×16	0.9	1.4	18.4	595
M2XCH -2C25	2×25	0.9	1.5	21.3	820
M2XCH -2C35	2×35	0.9	1.5	23.9	1140
M2XCH -2C50	2×50	1.0	1.5	26.7	1500
M2XCH -3C1.5(3G1.5)	3×(G)1.5	0.7	1.1	9.8	145
M2XCH -3C2.5(3G2.5)	3×(G)2.5	0.7	1.1	10.7	180
M2XCH -3C4	3×4	0.9	1.2	12.9	245
M2XCH -3C6	3×6	0.9	1.3	14.7	345
M2XCH -3C10	3×10	0.9	1.3	16.6	490
M2XCH -3C16	3×16	0.9	1.4	19.5	755
M2XCH -3C25	3×25	0.9	1.6	22.7	1095
M2XCH -3C35	3×35	0.9	1.6	24.9	1340
M2XCH -3C35S	3×35 (sector shaped)	0.9	1.6	22.0	1320
M2XCH -3C50	3×50	1.0	1.6	27.1	1750
M2XCH -3C50S	3×50 (sector shaped)	1.0	1.6	24.8	1820
M2XCH -3C70S	3×70 (sector shaped)	1.1	2.0	29.7	2575
M2XCH -3C95S	3×95 (sector shaped)	1.1	2.1	33.1	3435
M2XCH -3C120S	3×120 (sector shaped)	1.2	2.2	36.0	4070
M2XCH -3C150S	3×150 (sector shaped)	1.4	2.4	40.9	5435
M2XCH -4C1.5(4G1.5)	4×(G)1.5	0.7	1.1	10.5	170
M2XCH -4C2.5(4G2.5)	4×(G)2.5	0.7	1.2	11.8	225
M2XCH -4C4	4×4	0.9	1.3	14.7	335
M2XCH -4C6	4×6	0.9	1.3	16.0	425





# IEC Standard Caledonian Offshore & Marine Cables

## MariTox Marine Flame Retardant Power & Control Cables

[www.caledonian-cables.co.uk](http://www.caledonian-cables.co.uk)

Part No.	Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
M2XCH -4C10	4×10	0.9	1.4	18.3	625
M2XCH -4C16	4×16	0.9	1.5	21.5	935
M2XCH -4C25	4×25	0.9	1.6	24.4	1345
M2XCH -4C35	4×35	0.9	1.7	27.5	1715
M2XCH -4C35S	4×35 (sector shaped)	0.9	1.7	24.3	1700
M2XCH -4C50	4×50	1.0	1.6	29.9	2400
M2XCH -4C50S	4×50(sector shaped)	1.0	1.6	27.3	2300
M2XCH -4C70S	4×70(sector shaped)	1.1	2.1	32.8	3250
M2XCH -4C95S	4×95(sector shaped)	1.1	2.2	37.3	4390
M2XCH -5C1.5(5G1.5)	5×(G)1.5	0.7	1.2	11.7	205
M2XCH -5C2.5(5G2.5)	5×(G)2.5	0.7	1.2	12.8	265
M2XCH -5G4	5G4	0.9	1.2	15.2	360
M2XCH -6C1.5	6×1.5	0.7	1.2	12.7	240
M2XCH -7C1.5	7×1.5	0.7	1.2	12.7	260
M2XCH -8C1.5	8×1.5	0.7	1.2	15.5	340
M2XCH -10C1.5	10×1.5	0.7	1.3	16.2	390
M2XCH -12C1.5	12×1.5	0.7	1.4	16.9	440
M2XCH -16C1.5	16×1.5	0.7	1.4	18.6	550
M2XCH -19C1.5	19×1.5	0.7	1.5	19.7	620
M2XCH -24C1.5	24×1.5	0.7	1.6	22.9	800
M2XCH -5C2.5	5×2.5	0.7	1.2	12.9	290
M2XCH -7C2.5	7×2.5	0.7	1.2	14.6	390
M2XCH -12C2.5	12×2.5	0.7	1.4	18.7	610
M2XCH -19C2.5	19×2.5	0.7	1.5	21.8	870
M2XCH -24C2.5	24×2.5	0.7	1.6	25.6	1100
M2XCH -27C2.5	27×2.5	0.7	1.7	26.1	1200
M2XCH -37C2.5	37×2.5	0.7	1.9	29.2	1560