



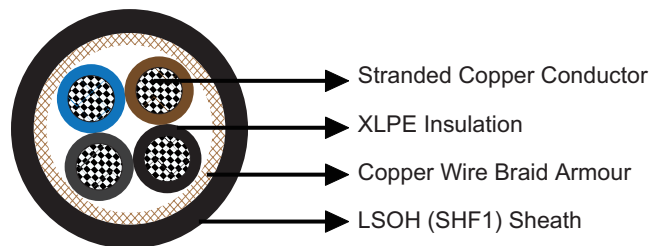
MTX400 0.6/1 kV XLPE Insulated, LSOH (SHF1) Sheathed, Armoured Flame Retardant Power & Control Cables (Multicore)

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). SHF2 can be offered upon request.

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

MTX400 1RMZ1-R Multicore Armoured 0.6/1kV (-R stands for class 2 conductor. For class 5 conductor, please change -R to -F)

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
MTX400-1RMZ1-R-2C1.5	2×1.5	0.7	1.1	9.3	120
MTX400-1RMZ1-R-2C2.5	2×2.5	0.7	1.1	10.1	150
MTX400-1RMZ1-R-2C4	2×4	0.9	1.2	12.2	195
MTX400-1RMZ1-R-2C6	2×6	0.9	1.2	13.7	275
MTX400-1RMZ1-R-2C10	2×10	0.9	1.3	15.7	385
MTX400-1RMZ1-R-2C16	2×16	0.9	1.4	18.4	595
MTX400-1RMZ1-R-2C25	2×25	0.9	1.5	21.3	820
MTX400-1RMZ1-R-2C35	2×35	0.9	1.5	23.9	1140
MTX400-1RMZ1-R-2C50	2×50	1.0	1.5	26.7	1500
MTX400-1RMZ1-R-3C1.5(3G1.5)	3×(G)1.5	0.7	1.1	9.8	145
MTX400-1RMZ1-R-3C2.5(3G2.5)	3×(G)2.5	0.7	1.1	10.7	180
MTX400-1RMZ1-R-3C4	3×4	0.9	1.2	12.9	245
MTX400-1RMZ1-R-3C6	3×6	0.9	1.3	14.7	345
MTX400-1RMZ1-R-3C10	3×10	0.9	1.3	16.6	490
MTX400-1RMZ1-R-3C16	3×16	0.9	1.4	19.5	755
MTX400-1RMZ1-R-3C25	3×25	0.9	1.6	22.7	1095
MTX400-1RMZ1-R-3C35	3×35	0.9	1.6	24.9	1340
MTX400-1RMZ1-R-3C35S	3×35 (sector shaped)	0.9	1.6	22.0	1320
MTX400-1RMZ1-R-3C50	3×50	1.0	1.6	27.1	1750
MTX400-1RMZ1-R-3C50S	3×50 (sector shaped)	1.0	1.6	24.8	1820
MTX400-1RMZ1-R-3C70S	3×70 (sector shaped)	1.1	2.0	29.7	2575
MTX400-1RMZ1-R-3C95S	3×95 (sector shaped)	1.1	2.1	33.1	3435
MTX400-1RMZ1-R-3C120S	3×120 (sector shaped)	1.2	2.2	36.0	4070
MTX400-1RMZ1-R-3C150S	3×150 (sector shaped)	1.4	2.4	40.9	5435
MTX400-1RMZ1-R-4C1.5(4G1.5)	4×(G)1.5	0.7	1.1	10.5	170
MTX400-1RMZ1-R-4C2.5(4G2.5)	4×(G)2.5	0.7	1.2	11.8	225
MTX400-1RMZ1-R-4C4	4×4	0.9	1.3	14.7	335
MTX400-1RMZ1-R-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

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
MTX400-1RMZ1-R-4C10	4×10	0.9	1.4	18.3	625
MTX400-1RMZ1-R-4C16	4×16	0.9	1.5	21.5	935
MTX400-1RMZ1-R-4C25	4×25	0.9	1.6	24.4	1345
MTX400-1RMZ1-R-4C35	4×35	0.9	1.7	27.5	1715
MTX400-1RMZ1-R-4C35S	4×35 (sector shaped)	0.9	1.7	24.3	1700
MTX400-1RMZ1-R-4C50	4×50	1.0	1.6	29.9	2400
MTX400-1RMZ1-R-4C50S	4×50(sector shaped)	1.0	1.6	27.3	2300
MTX400-1RMZ1-R-4C70S	4×70(sector shaped)	1.1	2.1	32.8	3250
MTX400-1RMZ1-R-4C95S	4×95(sector shaped)	1.1	2.2	37.3	4390
MTX400-1RMZ1-R-5C1.5(5G1.5)	5×(G)1.5	0.7	1.2	11.7	205
MTX400-1RMZ1-R-5C2.5(5G2.5)	5×(G)2.5	0.7	1.2	12.8	265
MTX400-1RMZ1-R-5G4	5G4	0.9	1.2	15.2	360
MTX400-1RMZ1-R-6C1.5	6×1.5	0.7	1.2	12.7	240
MTX400-1RMZ1-R-7C1.5	7×1.5	0.7	1.2	12.7	260
MTX400-1RMZ1-R-8C1.5	8×1.5	0.7	1.2	15.5	340
MTX400-1RMZ1-R-10C1.5	10×1.5	0.7	1.3	16.2	390
MTX400-1RMZ1-R-12C1.5	12×1.5	0.7	1.4	16.9	440
MTX400-1RMZ1-R-16C1.5	16×1.5	0.7	1.4	18.6	550
MTX400-1RMZ1-R-19C1.5	19×1.5	0.7	1.5	19.7	620
MTX400-1RMZ1-R-24C1.5	24×1.5	0.7	1.6	22.9	800
MTX400-1RMZ1-R-5C2.5	5×2.5	0.7	1.2	12.9	290
MTX400-1RMZ1-R-7C2.5	7×2.5	0.7	1.2	14.6	390
MTX400-1RMZ1-R-12C2.5	12×2.5	0.7	1.4	18.7	610
MTX400-1RMZ1-R-19C2.5	19×2.5	0.7	1.5	21.8	870
MTX400-1RMZ1-R-24C2.5	24×2.5	0.7	1.6	25.6	1100
MTX400-1RMZ1-R-27C2.5	27×2.5	0.7	1.7	26.1	1200
MTX400-1RMZ1-R-37C2.5	37×2.5	0.7	1.9	29.2	1560