



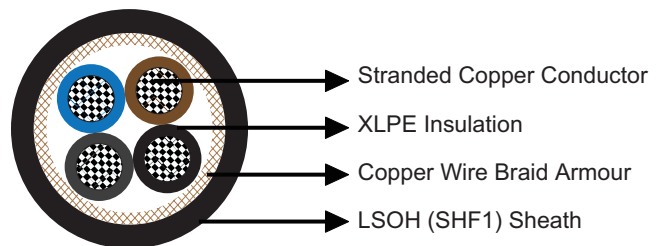
MTX400 0.6/1 kV XLPE Insulated, LSOH (SHF1) Sheathed, Armoured Flame Retardant Power & Control Cables (Multicore)

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: $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$

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 |