



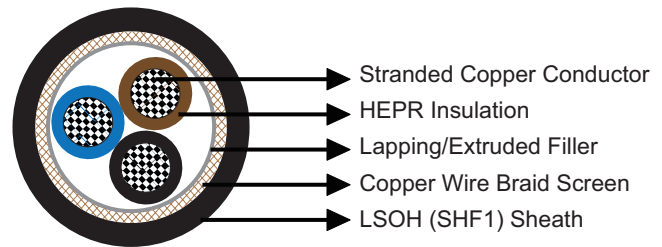
## MTX400 0.6/1 kV HEPR Insulated, LSOH (SHF1) Sheathed, Screened Flame Retardant Power & Control Cables (Multicore)

### Application

These cables are used for fixed installations on ships and offshore units in all locations and on open deck. The good screening qualities of the copper braid also reduce radio interference and electrical influences to electronics installations. These cables are flame retardant, low smoke & halogen free.

### Standards

- DIN 89160/98
- IEC 60092-353
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1/2
- IEC 61034



### Construction

- Conductors: Class 2 stranded copper conductor.
- Insulation: HEPR.
- Inner Covering: Lapping or extruded filler.
- Overall Screen: Copper wire braid.
- Outer Sheath: LSOH (SHF1).

### Core Identification

Two cores: Black, Blue.

Three cores: Black, Blue, Brown.

Four cores: Black, Blue, Brown, Black.

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

Multi cores: All cores natural coloured, printed with numbers, starting in center with number 1.

Cables with 3 cores and more also with green/yellow core (has to be stated in order).





### Mechanical and Thermal Properties

Bending Radius for Fixed Installations:  $6 \times OD$

Temperature Range:  $-20^{\circ}C \sim +75^{\circ}C$

### Dimensions and Weight

Part No.	Construction No. of cores $\times$ Cross section (mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MTX400-1G7MZ1-R-2C1.5	2 $\times$ 1.5	0.7	1.2	11.3	180
MTX400-1G7MZ1-R-2C2.5	2 $\times$ 2.5	0.7	1.2	12.3	220
MTX400-1G7MZ1-R-2C4	2 $\times$ 4	0.7	1.3	13.3	280
MTX400-1G7MZ1-R-2C6	2 $\times$ 6	0.7	1.3	15.3	380
MTX400-1G7MZ1-R-2C10	2 $\times$ 10	0.7	1.4	17.0	500
MTX400-1G7MZ1-R-2C16	2 $\times$ 16	0.7	1.5	19.5	710
MTX400-1G7MZ1-R-2C25	2 $\times$ 25	0.9	1.6	22.0	1020
MTX400-1G7MZ1-R-3C1.5	3 $\times$ 1.5	0.7	1.2	11.8	210
MTX400-1G7MZ1-R-3C2.5	3 $\times$ 2.5	0.7	1.2	12.8	260
MTX400-1G7MZ1-R-3C4	3 $\times$ 4	0.7	1.3	13.8	330
MTX400-1G7MZ1-R-3C6	3 $\times$ 6	0.7	1.3	15.8	450
MTX400-1G7MZ1-R-3C10	3 $\times$ 10	0.7	1.4	18.0	620
MTX400-1G7MZ1-R-3C16	3 $\times$ 16	0.7	1.5	20.5	870
MTX400-1G7MZ1-R-3C25	3 $\times$ 25	0.9	1.7	23.8	1280
MTX400-1G7MZ1-R-3C35	3 $\times$ 35	0.9	1.8	26.5	1680
MTX400-1G7MZ1-R-3C50	3 $\times$ 50	1.0	2.1	29.8	2180
MTX400-1G7MZ1-R-3C70	3 $\times$ 70	1.1	2.0	34.8	3020
MTX400-1G7MZ1-R-3C95	3 $\times$ 95	1.1	2.3	39.3	4050
MTX400-1G7MZ1-R-3C120	3 $\times$ 120	1.2	2.5	43.3	5000
MTX400-1G7MZ1-R-4C1.5	4 $\times$ 1.5	0.7	1.2	12.3	240
MTX400-1G7MZ1-R-4C2.5	4 $\times$ 2.5	0.7	1.3	14.3	300
MTX400-1G7MZ1-R-4C4	4 $\times$ 4	0.7	1.3	15.3	430
MTX400-1G7MZ1-R-4C6	4 $\times$ 6	0.7	1.4	17.0	540
MTX400-1G7MZ1-R-4C10	4 $\times$ 10	0.7	1.5	19.5	780
MTX400-1G7MZ1-R-4C16	4 $\times$ 16	0.7	1.6	22.3	1090
MTX400-1G7MZ1-R-4C25	4 $\times$ 25	0.9	1.8	26.3	1630
MTX400-1G7MZ1-R-4C35	4 $\times$ 35	0.9	1.9	29.0	2120
MTX400-1G7MZ1-R-4C50	4 $\times$ 50	1.0	2.0	33.0	2750
MTX400-1G7MZ1-R-4C70	4 $\times$ 70	1.1	2.3	38.8	3900
MTX400-1G7MZ1-R-4C95	4 $\times$ 95	1.1	2.5	43.8	5160

# 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
MTX400-1G7MZ1-R-5C1.5	5×1.5	0.7	1.3	13.3	290
MTX400-1G7MZ1-R-5C2.5	5×2.5	0.7	1.3	15.3	400
MTX400-1G7MZ1-R-7C1.5	7×1.5	0.7	1.3	14.3	380
MTX400-1G7MZ1-R-10C1.5	10×1.5	0.7	1.3	17.0	450
MTX400-1G7MZ1-R-12C1.5	12×1.5	0.7	1.4	18.0	500
MTX400-1G7MZ1-R-14C1.5	14×1.5	0.7	1.4	18.5	560
MTX400-1G7MZ1-R-16C1.5	16×1.5	0.7	1.4	19.8	630
MTX400-1G7MZ1-R-19C1.5	19×1.5	0.7	1.5	20.5	710
MTX400-1G7MZ1-R-24C1.5	24×1.5	0.7	1.6	24.0	880

