



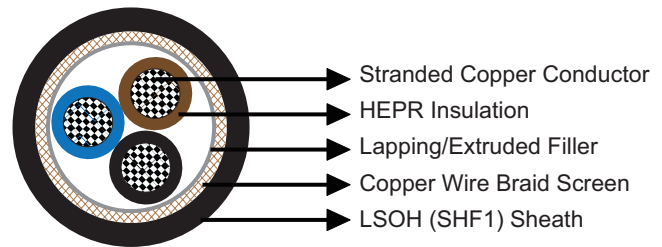
MTX400 0.6/1 kV HEPR Insulated, LSOH (SHF1) Sheathed, Screened Flame Retardant Power & Control Cables (Multicore)

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 ²)	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

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
MTX400-1G7MZ1-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

