



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

### Application

These cables are used for fixed installations on ships and offshore units in all locations. 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.
- 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:  $6 \times OD$  ( $OD > 25\text{mm}$ );  $4 \times OD$  ( $OD \leq 25\text{mm}$ )

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



## Dimensions and Weight

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
MTX400-1G7Z1-R-2C1.5	2×1.5	0.7	1.0	8.4	130
MTX400-1G7Z1-R-2C2.5	2×2.5	0.7	1.1	9.3	170
MTX400-1G7Z1-R-2C4	2×4	0.7	1.1	10.5	220
MTX400-1G7Z1-R-2C6	2×6	0.7	1.2	11.8	280
MTX400-1G7Z1-R-2C10	2×10	0.7	1.2	13.8	410
MTX400-1G7Z1-R-2C16	2×16	0.7	1.3	16.2	590
MTX400-1G7Z1-R-2C25	2×25	0.9	1.5	20.1	880
MTX400-1G7Z1-R-3C1.5	3×1.5	0.7	1.1	8.9	160
MTX400-1G7Z1-R-3C2.5	3×2.5	0.7	1.1	9.9	210
MTX400-1G7Z1-R-3C4	3×4	0.7	1.1	11.1	270
MTX400-1G7Z1-R-3C6	3×6	0.7	1.2	12.6	350
MTX400-1G7Z1-R-3C10	3×10	0.7	1.3	14.8	510
MTX400-1G7Z1-R-3C16	3×16	0.7	1.4	17.3	750
MTX400-1G7Z1-R-3C25	3×25	0.9	1.5	21.5	1130
MTX400-1G7Z1-R-3C35	3×35	0.9	1.6	24.2	1500
MTX400-1G7Z1-R-3C50	3×50	1.0	1.8	28.5	1970
MTX400-1G7Z1-R-3C70	3×70	1.1	2.0	32.9	2770
MTX400-1G7Z1-R-3C95	3×95	1.1	2.1	37.4	3680
MTX400-1G7Z1-R-3C120	3×120	1.2	2.3	41.6	4580
MTX400-1G7Z1-R-4C1.5	4×1.5	0.7	1.1	9.8	200
MTX400-1G7Z1-R-4C2.5	4×2.5	0.7	1.1	10.9	250
MTX400-1G7Z1-R-4C4	4×4	0.7	1.2	12.3	330
MTX400-1G7Z1-R-4C6	4×6	0.7	1.2	13.9	440
MTX400-1G7Z1-R-4C10	4×10	0.7	1.3	16.3	660
MTX400-1G7Z1-R-4C16	4×16	0.7	1.4	19.2	950
MTX400-1G7Z1-R-4C25	4×25	0.9	1.6	23.9	1460
MTX400-1G7Z1-R-4C35	4×35	0.9	1.7	27.0	1920
MTX400-1G7Z1-R-4C50	4×50	1.0	1.9	30.5	2520
MTX400-1G7Z1-R-4C70	4×70	1.1	2.1	36.7	3530
MTX400-1G7Z1-R-4C95	4×95	1.1	2.3	41.7	4730
MTX400-1G7Z1-R-5C1.5	5×1.5	0.7	1.1	12.3	230
MTX400-1G7Z1-R-5C2.5	5×2.5	0.7	1.2	13.3	300
MTX400-1G7Z1-R-7C1.5	7×1.5	0.7	1.2	13.3	290
MTX400-1G7Z1-R-10C1.5	10×1.5	0.7	1.3	15.8	360
MTX400-1G7Z1-R-12C1.5	12×1.5	0.7	1.3	16.3	410
MTX400-1G7Z1-R-14C1.5	14×1.5	0.7	1.4	17.0	470
MTX400-1G7Z1-R-16C1.5	16×1.5	0.7	1.4	18.0	530
MTX400-1G7Z1-R-19C1.5	19×1.5	0.7	1.4	19.0	610
MTX400-1G7Z1-R-24C1.5	24×1.5	0.7	1.5	22.0	760