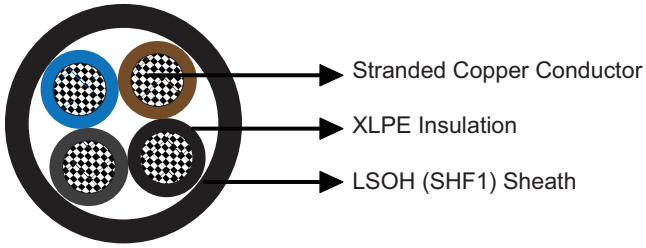
MTX400 0.6/1 kV XLPE Insulated, LSOH (SHF1) Sheathed Flame Retardant Power & Control Cables (Multicore)

Application

These unarmoured power & control cables are used on board of ships in all locations for fixed installations not subject to mechanical risk complying with IEC standards 60092-352. 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.
- Filler (optional): Halogen free filling compound.
- 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×OD (OD>25mm); 4×OD (OD ≤25mm)
Temperature Range: -30℃ ~ +80℃

Dimensions and Weight

MTX400 1RZ1-R Multicore 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(mm²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MTX400-1RZ1-R-2C1.5	2×1.5	0.7	1.1	8.4	80
MTX400-1RZ1-R-2C2.5	2×2.5	0.7	1.1	9.2	100
MTX400-1RZ1-R-2C4	2×4	0.9	1.1	11.1	135
MTX400-1RZ1-R-2C6	2×6	0.9	1.2	12.4	185
MTX400-1RZ1-R-2C10	2×10	0.9	1.2	14.1	270
MTX400-1RZ1-R-2C16	2×16	0.9	1.3	16.4	400
MTX400-1RZ1-R-2C25	2×25	0.9	1.3	18.8	700
MTX400-1RZ1-R-2C35	2×35	0.9	1.3	21.4	930
MTX400-1RZ1-R-2C50	2×50	1.0	1.3	24.2	1290
MTX400-1RZ1-R-3C1.5(3G1.5)	3×(G)1.5	0.7	1.1	8.8	100
MTX400-1RZ1-R-3C2.5(3G2.5)	3×(G)2.5	0.7	1.1	9.8	130
MTX400-1RZ1-R-3C4(3G4)	3×(G)4	0.9	1.2	12.0	190
MTX400-1RZ1-R-3C6(3G6)	3×(G)6	0.9	1.2	13.2	250
MTX400-1RZ1-R-3C10	3×10	0.9	1.3	15.2	380
MTX400-1RZ1-R-3C16(3G16)	3×16	0.9	1.3	17.5	560
MTX400-1RZ1-R-3C25	3×25	0.9	1.5	20.7	875
MTX400-1RZ1-R-3C35	3×35	0.9	1.6	23.5	1220
MTX400-1RZ1-R-3C35S	3×35 (sector shaped)	0.9	1.5	20.1	1135
MTX400-1RZ1-R-3C50	3×50	1.0	1.7	26.7	1780
MTX400-1RZ1-R-3C50S	3×50 (sector shaped)	1.0	1.7	22.8	1530
MTX400-1RZ1-R-3C70S	3×70 (sector shaped)	1.1	1.8	26.7	2150
MTX400-1RZ1-R-3C95S	3×95 (sector shaped)	1.1	1.9	30.2	2900
MTX400-1RZ1-R-3C120S	3×120 (sector shaped)	1.2	2.1	34.0	3675
MTX400-1RZ1-R-4C1.5(4G1.5)	4×(G)1.5	0.7	1.1	9.6	120
MTX400-1RZ1-R-4C2.5(4G2.5)	4×(G)2.5	0.7	1.1	10.7	165
MTX400-1RZ1-R-4C4(4G4)	4×(G)4	0.9	1.2	13.2	240
MTX400-1RZ1-R-4C6(4G6)	4×(G)6	0.9	1.2	14.5	320
MTX400-1RZ1-R-4C10(4G10)	4×(G)10	0.9	1.3	16.7	490

Part No.	Construction No. of cores×Cross section(mm²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MTX400-1RZ1-R-4C16(4G16)	4×(G)16	0.9	1.4	19.5	740
MTX400-1RZ1-R-4C25(4G25)	4×(G)25	0.9	1.5	22.8	1145
MTX400-1RZ1-R-4G35	4G35	0.9	1.7	26.0	1515
MTX400-1RZ1-R-4G50	4G50	1.0	1.8	29.7	2340
MTX400-1RZ1-R-5C1.5(5G1.5)	5×(G)1.5	0.7	1.1	10.5	145
MTX400-1RZ1-R-5C2.5(5G2.5)	5×(G)2.5	0.7	1.2	11.9	205
MTX400-1RZ1-R-5G6	5G6	0.9	1.3	16.1	400
MTX400-1RZ1-R-5G16	5G16	0.9	1.5	21.6	920
MTX400-1RZ1-R-6C1.5	6×1.5	0.7	1.2	11.6	180
MTX400-1RZ1-R-7C1.5	7×1.5	0.7	1.2	11.7	195
MTX400-1RZ1-R-8C1.5(8G1.5)	8×(G)1.5	0.7	1.2	12.7	225
MTX400-1RZ1-R-10C1.5	10×1.5	0.7	1.3	14.8	275
MTX400-1RZ1-R-12C1.5	12×1.5	0.7	1.3	15.3	315
MTX400-1RZ1-R-16C1.5	16×1.5	0.7	1.4	17.2	410
MTX400-1RZ1-R-19C1.5	19×1.5	0.7	1.4	18.1	470
MTX400-1RZ1-R-24C1.5	24×1.5	0.7	1.5	21.3	620
MTX400-1RZ1-R-5C2.5	5×2.5	0.7	1.2	11.9	210
MTX400-1RZ1-R-7C2.5	7×2.5	0.7	1.2	13.2	280
MTX400-1RZ1-R-12C2.5	12×2.5	0.7	1.3	17.4	460
MTX400-1RZ1-R-19C2.5	19×2.5	0.7	1.4	20.6	690
MTX400-1RZ1-R-24C2.5	24×2.5	0.7	1.5	24.3	880
MTX400-1RZ1-R-27C2.5	27×2.5	0.7	1.5	24.6	970
MTX400-1RZ1-R-37C2.5	37×2.5	0.7	1.6	27.7	1300