



MFX400 0.6/1 kV Mica Tape + XLPE Insulated, LSOH (SHF1)

Sheathed, Armoured Fire Resistant Power & Control Cables

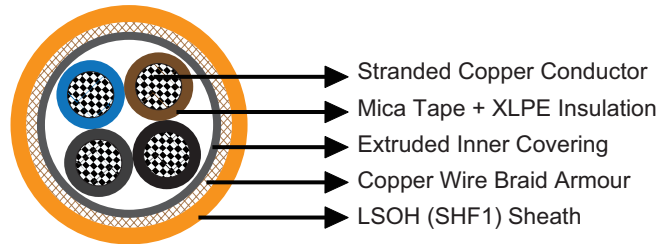
(Multicore)

Application

These armoured fire resistant cables are used on board of ships in all locations for fixed installations where cable protection is required. These cables are fire resistant, flame retardant, low smoke & halogen free.

Standards

- IEC 60092-350/351/353/359
- IEC 60331-21
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1/2
- IEC 61034



Construction

- Conductors: Class 2 stranded copper conductor. Class 5 stranded conductors can be offered upon request.
- Insulation: Mica tape + XLPE.
- Inner Covering: Extruded inner covering.
- 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.





Mechanical and Thermal Properties

Bending Radius for Fixed Installations: $6 \times OD$
 Temperature Range: $-30^{\circ}C \sim +80^{\circ}C$

Dimensions and Weight

MFX400 1mRMZ1-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
MFX400-1mRMZ1-R-2C1.5	2×1.5	0.7	1.1	10.5	180
MFX400-1mRMZ1-R-2C2.5	2×2.5	0.7	1.1	11.7	230
MFX400-1mRMZ1-R-2C4	2×4	0.9	1.2	12.9	290
MFX400-1mRMZ1-R-2C6	2×6	0.9	1.2	14.8	400
MFX400-1mRMZ1-R-2C10	2×10	0.9	1.3	16.6	570
MFX400-1mRMZ1-R-2C16	2×16	0.9	1.4	19.0	770
MFX400-1mRMZ1-R-2C25	2×25	0.9	1.5	22.8	1130
MFX400-1mRMZ1-R-2C35	2×35	0.9	1.5	25.0	1420
MFX400-1mRMZ1-R-2C50	2×50	1.0	1.5	28.0	1860
MFX400-1mRMZ1-R-3C1.5	3×1.5	0.7	1.1	11.2	210
MFX400-1mRMZ1-R-3C2.5	3×2.5	0.7	1.1	12.2	260
MFX400-1mRMZ1-R-3C4	3×4	0.9	1.2	13.5	340
MFX400-1mRMZ1-R-3C6	3×6	0.9	1.3	15.7	480
MFX400-1mRMZ1-R-3C10	3×10	0.9	1.3	17.7	680
MFX400-1mRMZ1-R-3C16	3×16	0.9	1.4	20.0	930
MFX400-1mRMZ1-R-3C25	3×25	0.9	1.6	24.1	1380
MFX400-1mRMZ1-R-3C35	3×35	0.9	1.6	26.4	1770
MFX400-1mRMZ1-R-3C50	3×50	1.0	1.6	29.6	2350
MFX400-1mRMZ1-R-3C70S	3×70 (sector shaped)	1.1	2.0	31.9	2930
MFX400-1mRMZ1-R-3C95S	3×95 (sector shaped)	1.1	2.1	36.1	3870
MFX400-1mRMZ1-R-3C120S	3×120 (sector shaped)	1.2	2.2	39.6	4770
MFX400-1mRMZ1-R-4C1.5	4×1.5	0.7	1.1	12.1	250
MFX400-1mRMZ1-R-4C2.5	4×2.5	0.7	1.2	12.9	300
MFX400-1mRMZ1-R-4C4	4×4	0.9	1.3	15.4	440
MFX400-1mRMZ1-R-4C6	4×6	0.9	1.3	17.0	570
MFX400-1mRMZ1-R-4C10	4×10	0.9	1.4	19.1	810
MFX400-1mRMZ1-R-4C16	4×16	0.9	1.5	22.2	1160
MFX400-1mRMZ1-R-4C25	4×25	0.9	1.6	26.9	1720

IEC Standard Caledonian Offshore & Marine Cables



MariFlex Marine Fire Resistant 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
MFX400-1mRMZ1-R-4C35	4×35	0.9	1.7	29.7	2220
MFX400-1mRMZ1-R-5C1.5	5×1.5	0.7	1.2	12.8	280
MFX400-1mRMZ1-R-7C1.5	7×1.5	0.7	1.2	14.3	370
MFX400-1mRMZ1-R-12C1.5	12×1.5	0.7	1.4	17.9	570
MFX400-1mRMZ1-R-19C1.5	19×1.5	0.7	1.5	20.7	790
MFX400-1mRMZ1-R-27C1.5	27×1.5	0.7	1.7	24.4	1100
MFX400-1mRMZ1-R-37C1.5	37×1.5	0.7	1.9	27.3	1380
MFX400-1mRMZ1-R-5C2.5	5×2.5	0.7	1.2	14.7	400
MFX400-1mRMZ1-R-7C2.5	7×2.5	0.7	1.2	15.8	480
MFX400-1mRMZ1-R-12C2.5	12×2.5	0.7	1.4	20.3	780
MFX400-1mRMZ1-R-19C2.5	19×2.5	0.7	1.5	23.4	1070
MFX400-1mRMZ1-R-27C2.5	27×2.5	0.7	1.7	27.9	1500

