



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

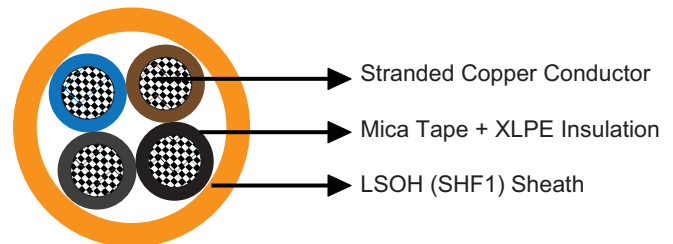
Sheathed Fire Resistant Power & Control Cables (Multicore)

Application

These unarmoured fire resistant cables are used on board of ships in all locations for fixed installations where cable protection is not 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.
- 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: $6 \times OD$ ($OD > 25\text{mm}$); $4 \times OD$ ($OD \leq 25\text{mm}$)
 Temperature Range: $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$

Dimensions and Weight

MFX400 1mRZ1-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 \times Cross section (mm^2)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MFX400-1mRZ1-R-2C1.5	2 \times 1.5	0.7	1.1	8.5	85
MFX400-1mRZ1-R-2C2.5	2 \times 2.5	0.7	1.1	9.5	110
MFX400-1mRZ1-R-2C4	2 \times 4	0.9	1.1	11.7	140
MFX400-1mRZ1-R-2C6	2 \times 6	0.9	1.2	13.0	230
MFX400-1mRZ1-R-2C10	2 \times 10	0.9	1.2	14.7	330
MFX400-1mRZ1-R-2C16	2 \times 16	0.9	1.3	17.0	490
MFX400-1mRZ1-R-2C25	2 \times 25	0.9	1.3	19.5	750
MFX400-1mRZ1-R-2C35	2 \times 35	0.9	1.5	22.0	990
MFX400-1mRZ1-R-2C50	2 \times 50	1.0	1.5	24.8	1340
MFX400-1mRZ1-R-3C1.5	3 \times 1.5	0.7	1.1	9.5	105
MFX400-1mRZ1-R-3C2.5	3 \times 2.5	0.7	1.1	10.0	145
MFX400-1mRZ1-R-3C4	3 \times 4	0.9	1.2	12.7	205
MFX400-1mRZ1-R-3C6	3 \times 6	0.9	1.2	13.9	270
MFX400-1mRZ1-R-3C10	3 \times 10	0.9	1.3	15.9	400
MFX400-1mRZ1-R-3C16	3 \times 16	0.9	1.3	18.4	610
MFX400-1mRZ1-R-3C25	3 \times 25	0.9	1.5	21.4	920
MFX400-1mRZ1-R-3C35	3 \times 35	0.9	1.6	24.2	1330
MFX400-1mRZ1-R-3C50	3 \times 50	1.0	1.7	27.5	1830
MFX400-1mRZ1-R-3C70	3 \times 70	1.1	1.8	32.0	2570
MFX400-1mRZ1-R-3C70S	3 \times 70 (sector shaped)	1.1	1.8	27.5	2370
MFX400-1mRZ1-R-3C95	3 \times 95	1.1	1.9	36.4	3360
MFX400-1mRZ1-R-3C95S	3 \times 95 (sector shaped)	1.1	1.9	31.1	3130
MFX400-1mRZ1-R-3C120	3 \times 120	1.2	2.1	40.7	4180
MFX400-1mRZ1-R-3C120S	3 \times 120 (sector shaped)	1.2	2.1	34.4	3930
MFX400-1mRZ1-R-4C1.5	4 \times 1.5	0.7	1.1	10.0	135
MFX400-1mRZ1-R-4C2.5	4 \times 2.5	0.7	1.1	11.2	180
MFX400-1mRZ1-R-4C4	4 \times 4	0.9	1.2	13.9	260
MFX400-1mRZ1-R-4C6	4 \times 6	0.9	1.2	15.2	350





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
MFX400-1mRZ1-R-4C10	4×10	0.9	1.3	17.4	530
MFX400-1mRZ1-R-4C16	4×16	0.9	1.4	20.2	800
MFX400-1mRZ1-R-4C25	4×25	0.9	1.5	23.5	1230
MFX400-1mRZ1-R-4C35	4×35	0.9	1.7	26.7	1650
MFX400-1mRZ1-R-5C1.5	5×1.5	0.7	1.1	11.0	170
MFX400-1mRZ1-R-7C1.5	7×1.5	0.7	1.2	12.6	210
MFX400-1mRZ1-R-12C1.5	12×1.5	0.7	1.3	16.5	350
MFX400-1mRZ1-R-19C1.5	19×1.5	0.7	1.4	19.6	520
MFX400-1mRZ1-R-27C1.5	27×1.5	0.7	1.5	23.3	730
MFX400-1mRZ1-R-37C1.5	37×1.5	0.7	1.6	26.3	980
MFX400-1mRZ1-R-5C2.5	5×2.5	0.7	1.2	12.5	240
MFX400-1mRZ1-R-7C2.5	7×2.5	0.7	1.2	14.1	300
MFX400-1mRZ1-R-12C2.5	12×2.5	0.7	1.3	18.6	490
MFX400-1mRZ1-R-19C2.5	19×2.5	0.7	1.4	22.1	750
MFX400-1mRZ1-R-27C2.5	27×2.5	0.7	1.5	26.4	1060

