



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

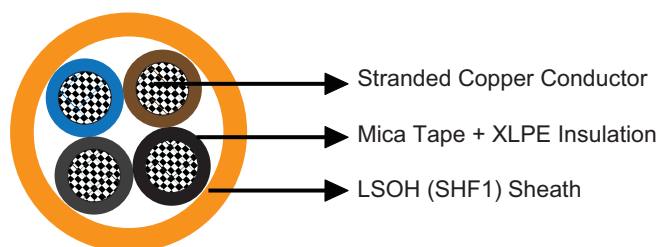
Sheathed Fire Resistant Power & Control Cables (Multicore)

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

MF400 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
MF400-1mRZ1-R-2C1.5	2 $\times$ 1.5	0.7	1.1	8.5	85
MF400-1mRZ1-R-2C2.5	2 $\times$ 2.5	0.7	1.1	9.5	110
MF400-1mRZ1-R-2C4	2 $\times$ 4	0.9	1.1	11.7	140
MF400-1mRZ1-R-2C6	2 $\times$ 6	0.9	1.2	13.0	230
MF400-1mRZ1-R-2C10	2 $\times$ 10	0.9	1.2	14.7	330
MF400-1mRZ1-R-2C16	2 $\times$ 16	0.9	1.3	17.0	490
MF400-1mRZ1-R-2C25	2 $\times$ 25	0.9	1.3	19.5	750
MF400-1mRZ1-R-2C35	2 $\times$ 35	0.9	1.5	22.0	990
MF400-1mRZ1-R-2C50	2 $\times$ 50	1.0	1.5	24.8	1340
MF400-1mRZ1-R-3C1.5	3 $\times$ 1.5	0.7	1.1	9.5	105
MF400-1mRZ1-R-3C2.5	3 $\times$ 2.5	0.7	1.1	10.0	145
MF400-1mRZ1-R-3C4	3 $\times$ 4	0.9	1.2	12.7	205
MF400-1mRZ1-R-3C6	3 $\times$ 6	0.9	1.2	13.9	270
MF400-1mRZ1-R-3C10	3 $\times$ 10	0.9	1.3	15.9	400
MF400-1mRZ1-R-3C16	3 $\times$ 16	0.9	1.3	18.4	610
MF400-1mRZ1-R-3C25	3 $\times$ 25	0.9	1.5	21.4	920
MF400-1mRZ1-R-3C35	3 $\times$ 35	0.9	1.6	24.2	1330
MF400-1mRZ1-R-3C50	3 $\times$ 50	1.0	1.7	27.5	1830
MF400-1mRZ1-R-3C70	3 $\times$ 70	1.1	1.8	32.0	2570
MF400-1mRZ1-R-3C70S	3 $\times$ 70 (sector shaped)	1.1	1.8	27.5	2370
MF400-1mRZ1-R-3C95	3 $\times$ 95	1.1	1.9	36.4	3360
MF400-1mRZ1-R-3C95S	3 $\times$ 95 (sector shaped)	1.1	1.9	31.1	3130
MF400-1mRZ1-R-3C120	3 $\times$ 120	1.2	2.1	40.7	4180
MF400-1mRZ1-R-3C120S	3 $\times$ 120 (sector shaped)	1.2	2.1	34.4	3930
MF400-1mRZ1-R-4C1.5	4 $\times$ 1.5	0.7	1.1	10.0	135
MF400-1mRZ1-R-4C2.5	4 $\times$ 2.5	0.7	1.1	11.2	180
MF400-1mRZ1-R-4C4	4 $\times$ 4	0.9	1.2	13.9	260
MF400-1mRZ1-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(mm²)	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

