



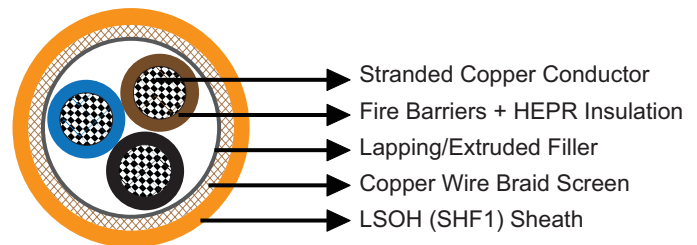
MF400 0.6/1 kV Fire Barriers + HEPR Insulated, LSOH (SHF1) Sheathed, Screened Fire Resistant Power & Control Cables (Multicore)

Application

These cables are used for fixed installations on ships and offshore units in all locations and on open deck in safety circuits, where fire resistance is required. The good screening qualities of the copper braid also reduce radio interference and electrical influences to electronics installations. These cables are fire resistant, flame retardant, low smoke & halogen free.

Standards

- DIN 89160/98
- IEC 60092-353
- IEC 60331-21
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1/2
- IEC 61034



Construction

- Conductors: Class 2 stranded copper conductor.
- Insulation: Fire barriers + HEPR.
- Inner Covering: Lapping or extruded filler.
- Overall Screen: Copper wire braid.
- 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: $6 \times OD$

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

Dimensions and Weight

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
MFX400-1mG7MZ1-R-2C1.5	2 \times 1.5	0.7	1.2	12.5	210
MFX400-1mG7MZ1-R-2C2.5	2 \times 2.5	0.7	1.2	13.0	250
MFX400-1mG7MZ1-R-2C4	2 \times 4	0.7	1.3	14.0	300
MFX400-1mG7MZ1-R-2C6	2 \times 6	0.7	1.3	16.0	410
MFX400-1mG7MZ1-R-2C10	2 \times 10	0.7	1.4	18.0	550
MFX400-1mG7MZ1-R-2C16	2 \times 16	0.7	1.5	20.0	720
MFX400-1mG7MZ1-R-2C25	2 \times 25	0.9	1.6	23.5	1050
MFX400-1mG7MZ1-R-3C1.5	3 \times 1.5	0.7	1.2	13.0	230
MFX400-1mG7MZ1-R-3C2.5	3 \times 2.5	0.7	1.2	14.0	280
MFX400-1mG7MZ1-R-3C4	3 \times 4	0.7	1.3	15.0	350
MFX400-1mG7MZ1-R-3C6	3 \times 6	0.7	1.3	16.5	480
MFX400-1mG7MZ1-R-3C10	3 \times 10	0.7	1.4	19.0	670
MFX400-1mG7MZ1-R-3C16	3 \times 16	0.7	1.5	21.0	870
MFX400-1mG7MZ1-R-3C25	3 \times 25	0.9	1.7	24.5	1300
MFX400-1mG7MZ1-R-3C35	3 \times 35	0.9	1.8	27.0	1680
MFX400-1mG7MZ1-R-3C50	3 \times 50	1.0	2.1	30.5	2190
MFX400-1mG7MZ1-R-3C70	3 \times 70	1.1	2.0	35.0	3020
MFX400-1mG7MZ1-R-3C95	3 \times 95	1.1	2.3	39.5	4050
MFX400-1mG7MZ1-R-3C120	3 \times 120	1.2	2.5	44.0	5000
MFX400-1mG7MZ1-R-4C1.5	4 \times 1.5	0.7	1.2	13.5	270
MFX400-1mG7MZ1-R-4C2.5	4 \times 2.5	0.7	1.3	15.0	330
MFX400-1mG7MZ1-R-4C4	4 \times 4	0.7	1.3	16.5	460
MFX400-1mG7MZ1-R-4C6	4 \times 6	0.7	1.4	18.0	560
MFX400-1mG7MZ1-R-4C10	4 \times 10	0.7	1.5	20.5	790
MFX400-1mG7MZ1-R-4C16	4 \times 16	0.7	1.6	23.0	1090
MFX400-1mG7MZ1-R-4C25	4 \times 25	0.9	1.8	27.0	1630
MFX400-1mG7MZ1-R-5C1.5	5 \times 1.5	0.7	1.3	14.5	320
MFX400-1mG7MZ1-R-5C2.5	5 \times 2.5	0.7	1.3	16.5	440
MFX400-1mG7MZ1-R-7C1.5	7 \times 1.5	0.7	1.3	16.5	400
MFX400-1mG7MZ1-R-10C1.5	10 \times 1.5	0.7	1.3	19.5	450
MFX400-1mG7MZ1-R-12C1.5	12 \times 1.5	0.7	1.4	20.0	510
MFX400-1mG7MZ1-R-14C1.5	14 \times 1.5	0.7	1.4	21.0	570
MFX400-1mG7MZ1-R-16C1.5	16 \times 1.5	0.7	1.4	22.0	640
MFX400-1mG7MZ1-R-19C1.5	19 \times 1.5	0.7	1.5	23.5	730
MFX400-1mG7MZ1-R-24C1.5	24 \times 1.5	0.7	1.6	27.0	910

