



Ships and Marine Cable - M2XCH-FFR 0,6/1 kV (NOFI) Power cable, flame-retardant, screened



Technical attributes

Standards	DIN 89158, IEC 60092/353, IEC 60092/350-351-359, IEC 60332/1, IEC60332/3 Cat A, IEC 60331, IEC 60754/1-2, IEC 61034/1-2 (DIN EN 50268/1-2)
Conductor material	annealed Electrolytic-Cu, bare
Conductor type	flexible
Conductor standard	IEC 60228
Conductor category	5
1. Separating layer	Mica tape
Core insulation	XLPE
Core colours	2-cores: blue/brown; 3-cores: brown/black/grey; 7-cores: white, number-coded, without GN/YE-protection conductor
2. Separating layer	separating foil, $\geq 25 \text{ mm}^2$ with filler
Screening	Electrolytic-Cu-braiding
Outer sheath	Thermoplastic Polyolefin (TPO) compound: HM4/SHF1 acc. to IEC 60092-359
Outer sheath colour	orange
Temperature range min., mobile operation	-40 °C
Temperature range max., mobile operation	+90 °C
Nominal voltage U ₀ /U	0,6/1 kV
Test voltage	3,5 kV
Minimum bending radius, fixed installation	8 x cable-Ø

Description

Applicable as fixed installed power cables in various electromechanical and electronic appliances of marine vehicles where a sustainable connection during a fire is required. The overall screen minimizes environmental electromagnetic interference. Usable at all conditions in marine environment such as dry, wet or oily applications, where electromagnetic protection is also required. Even at direct contact with fire the cable will sustain the connection for 180 min.. That means that the necessary appliances (fire alarm- and extinguishing-systems, water pumps, lighting, communication-, radio-, control-systems etc.) will work uninterrupted during a fire. Due to its halogen-free and flame-retardant features as well as the low-smoke density feature it will neither create corrosive gases nor obstruct visibility, it prevents the spread of fire. Thus the cables are able to protect human life and equipment during a fire.

Note

Power cable, flame-retardant, screened

On request :with filler "FI", class 2, further cross-sections/outer jacket colours

- halogen-free IEC 60754/1-2
- flame-retardant IEC 60332/1, IEC 60332/3 Cat A
- fire-resistant IEC 60331
- oil-resistant
- smoke density IEC 61034/1-2 (DIN EN 50268/1-2)

Product table



Ships and Marine Cable - M2XCH-FFR 0,6/1 kV (NOFI)
Power cable, flame-retardant, screened

product number	product name	Weight ca. [kg]	Cu-weight [kg_km]	Outer-Ø ca. [mm]	Outer sheath colour
04048002	M2XCH-FFR (NOFI) 0,6/1 kV 2 x 1,5 og flex Cl.5	120,00	72,50	9,70	orange
04048011	M2XCH-FFR (NOFI) 0,6/1kV 2 x 2,5 og flex Cl.5	150,00	95,90	10,60	orange
04048003	M2XCH-FFR (NOFI) 0,6/1kV 3 x 1,5 og flex Cl.5	145,00	87,80	10,20	orange
04048005	M2XCH-FFR (NOFI) 0,6/1 kV 3 x 2,5 og flex Cl.5	190,00	123,50	11,40	orange
04048007	M2XCH-FFR (NOFI) 0,6/1 kV 3 x 4 og flex Cl.5	245,00	172,50	12,60	orange
04048060	M2XCH-FFR (NOFI) 0,6/1 kV 3 G 4 og flex Cl.5	245,00	172,50	12,60	orange
04048008	M2XCH-FFR (NOFI) 0,6/1 kV 3 x 6 og flex Cl.5	345,00	232,00	14,30	orange
04048061	M2XCH-FFR (NOFI) 0,6/1 kV 3 G 6 og flex Cl.5	345,00	232,00	14,30	orange
04048062	M2XCH-FFR (NOFI) 0,6/1 kV 3 G 10 og flex Cl.5	504,00	399,50	16,80	orange
04048009	M2XCH-FFR (NOFI) 0,6/1 kV 3 x 10 og flex Cl.5	504,00	399,50	16,80	orange
04048063	M2XCH-FFR (NOFI) 0,6/1 kV 3 G 16 og flex Cl.5	710,00	588,70	19,00	orange
04048018	M2XCH-FFR (NOFI) 0,6/1 kV 3 x 16 og flex Cl.5	710,00	588,70	19,00	orange
04048006	M2XCH-FFR (NOFI) 0,6/1kV 4 x 1,5 og flex Cl.5	178,00	106,60	11,30	orange
04048064	M2XCH-FFR (NOFI) 0,6/1 kV 4 G 4 og flex Cl.5	340,00	252,00	14,4	orange
04048065	M2XCH-FFR (NOFI) 0,6/1 kV 4 G 6 og flex Cl.5	425	335	15,6	orange
04048066	M2XCH-FFR (NOFI) 0,6/1 kV 4 G 10 og flex Cl.5	625,00	503,70	18,40	orange
04048067	M2XCH-FFR (NOFI) 0,6/1 kV 4 G 16 og flex Cl.5	880,00	755,60	21,00	orange
04048021	M2XCH-FFR (NOFI) 0,6/1kV 5 x 1,5 og flex Cl.5	210,00	127,40	12,30	orange
04048068	M2XCH-FFR (NOFI) 0,6/1 kV 5 G 4 og flex Cl.5	405,00	282,00	15,60	orange
04048069	M2XCH-FFR (NOFI) 0,6/1 kV 5 G 6 og flex Cl.5	518,00	389,40	17,20	orange
04048070	M2XCH-FFR (NOFI) 0,6/1 kV 5 G 10 og flex Cl.5	770,00	629,80	20,40	orange



Ships and Marine Cable - M2XCH-FFR 0,6/1 kV (NOFI)
Power cable, flame-retardant, screened

product number	product name	Weight ca. [kg]	Cu-weight [kg_km]	Outer-Ø ca. [mm]	Outer sheath colour
04048071	M2XCH-FFR (NOFI) 0,6/1 kV 5 G 16 og flex Cl.5	1085,00	929,70	23,30	orange
04048004	M2XCH-FFR (NOFI) 0,6/1 kV 7 x 1,5 og flex Cl.5	290,00	190,60	13,60	orange
04048024	M2XCH-FFR(NOFI) 0,6/1kV 12 x 1,5 og flex Cl.5	446,00	287,60	17,80	orange

