



Reference: 10237547
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CONTACT

Market information
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International Designation: MPRXCX® 150/250 V 37x0.75

CONTROL cables with screen

STANDARDS

Product IEC 60228

Installation IEC 60092-350; IEC 60092-360; IEC 60092-376

Test a; IEC 60332-1; IEC 60332-3-22; IEC 60754-1; IEC 61034

APPLICATION

MPRXCX® type is used on board of ships for fixed installations complying with IEC 60092-352.

The good screening qualities of the braid also reduce radio interference and electrical influences to electronic installations. MPRXCX® type withstands IEC 60332-3-22 fire test on bunched cables and performs to the SOLAS requirements.

All materials used to manufacture this cable are halogen-free. This design ensures that non corrosive and low toxic gases are emitted in case of fire. Therefore, this cable type is especially designed for installations on passenger ships.

Design

- 1. Conductor**
Stranded bare copper, class 2
- 2. Insulation**
XLPE (cross-linked polyethylene)
- 3. Inner covering**
(Filler, if necessary)
Lapped
- 5. Armour**
Bare copper braid
- 6. Outer Sheath**
Polyolefin SHF1
Colour: grey

Example of marking:

LYNXEO 279 MPRXCX Nber of cores & cross-section 150/250V 90C
 IEC 60092-376 IEC 60332-3-22 Cat.A WW YYYY *CE* Manufacturing n° + metric marking

Core Identification
 White with printed numbers



Conductor flexibility
Stranded class 2



Halogen free
IEC 60754-1



Rated Voltage Uo/U
 (Um)
150 / 250 (300) V



Fire retardant
**EN IEC 60332-3-22
 (cat A)**



Flame retardant
IEC 60332-1



Smoke density
IEC 61034



Gases corrosivity
IEC 60754-2



Electro magnetic
 interference
 resistance
Yes

CHARACTERISTICS

Construction characteristics

Conductor material	Bare copper
Conductor flexibility	Stranded class 2
Insulation	XLPE (Cross-linked Polyethylene)
Inner sheath	Lapped or extruded inner covering
Armour type	Bare copper braid
Outer sheath	Polyolefin
Halogen free	IEC 60754-1
Sheath colour	Grey

Dimensional characteristics

Number of cores	37
Conductor cross-section	0.75 mm ²
Minimum outer diameter	17.8 mm
Nominal outer diameter	19.1 mm
Maximum outer diameter	20.4 mm
Approximate weight	570 kg/km

Electrical characteristics

Permissible current rating in open air	4 A
Max. DC resistance of the conductor at 20°C	26 Ohm/km
Permissible short circuit current	143 kA
Rated Voltage U _o /U (Um)	150 / 250 (300) V

Usage characteristics

Fire retardant	EN IEC 60332-3-22 (cat A)
Flame retardant	IEC 60332-1
Smoke density	IEC 61034
Gases corrosivity	IEC 60754-2
Electro magnetic interference resistance	Yes
Operating temperature, range	-30 ... 80 °C
Max. conductor temperature in service	90 °C



Conductor flexibility
Stranded class 2



Halogen free
IEC 60754-1



Rated Voltage U_o/U (Um)
150 / 250 (300) V



Fire retardant
EN IEC 60332-3-22 (cat A)



Flame retardant
IEC 60332-1



Smoke density
IEC 61034



Gases corrosivity
IEC 60754-2



Electro magnetic interference resistance
Yes

OTHER CHARACTERISTICS

Test Voltage

AC between cores..... 1.5 kV

Minimum bending radius for fixed installations..... 4 x outer diameter