



**Reference:** 10199123  
**EAN 13:** 3427650114111

#### CONTACT

Market information  
 industryprojects.business@lynxéo  
 ogroup.com

**International Designation:** MPRXCX® 150/250 V 12x0.75

### 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	12
Conductor cross-section	0.75 mm <sup>2</sup>
Minimum outer diameter	11.4 mm
Nominal outer diameter	12.3 mm
Maximum outer diameter	13.1 mm
Approximate weight	217 kg/km

#### Electrical characteristics

Permissible current rating in open air	6 A
Max. DC resistance of the conductor at 20°C	26 Ohm/km
Permissible short circuit current	107 kA
Rated Voltage U <sub>o</sub> /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<sub>o</sub>/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