



**Reference:** 10193583

### CONTACT

Market information  
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## CONTROL cables without 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

MPRX® cable type is used on board of ships for fixed installations, not subject to mechanical risk, complying with IEC 60092-352.

MPRX® 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, as on other commercial vessels.

### Design

- 1. Conductor**  
Stranded bare copper, class 2
- 2. Insulation**  
XLPE (cross-linked polyethylene)
- 3. Outer sheath**  
(Filler, if necessary)  
Polyolefin SHF1  
Colour : grey

Example of marking:

LYNXEO 279 MPRX Nbr 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 U<sub>o</sub>/U<sub>m</sub>  
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



Operating temp.  
-30 ... 80 °C

**CHARACTERISTICS****Construction characteristics**

Conductor material	Bare copper
Conductor flexibility	Stranded class 2
Conductor shape	Circular
Insulation	XLPE (Cross-linked Polyethylene)
Material of filler / inner sheath	Filler if necessary
Outer sheath	Polyolefin
Halogen free	IEC 60754-1
Sheath colour	Grey
With Green/Yellow core	No

**Dimensional characteristics**

Number of cores	3
Conductor cross-section	0.75 mm <sup>2</sup>
Minimum outer diameter	6.2 mm
Maximum outer diameter	7.1 mm
Approximate weight	50 kg/km
Nominal outer diameter	6.6 mm

**Electrical characteristics**

Permissible current rating in open air	- A
Max. DC resistance of the conductor at 20°C	- Ohm/km
Permissible short circuit current	0.2 kA
Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	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
Operating temperature, range	-30 ... 80 °C
Max. conductor temperature in service	90 °C

**OTHER CHARACTERISTICS****Test Voltage**

AC between cores..... 1.5 kV

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