



### CONTACT

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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



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



Operating temp.  
-30 ... 80 °C



Max. conductor  
temp.in service  
90 °C

**CHARACTERISTICS****Construction characteristics**

Halogen free IEC 60754-1

**Dimensional characteristics**Conductor cross-section 0.75 mm<sup>2</sup>**Electrical characteristics**Rated Voltage U<sub>0</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

**PRODUCTS LIST**

Reference	Nb. of cores	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10193582	2	5.9	6.3	6.7	40
10193583	3	6.2	6.6	7.1	50
10193616	5	7.6	8.2	8.8	76
10193617	7	7.8	8.4	9.0	94
10193618	12	10.3	11.1	11.9	158
10193619	19	12.2	13.1	14.0	236
10237546	27	14.5	15.6	16.7	328

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

AC between cores..... 1.5 kV

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