



### CONTACT

Market information  
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## 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



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



Operating temp.  
-30 ... 80 °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>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

## PRODUCTS LIST

Reference	Nb. of cores	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10193614	2	7.0	7.5	8.0	73
10193615	3	7.3	7.8	8.3	85
10210938	5	8.5	9.2	9.8	119
10193620	7	9.0	9.7	10.4	142
10199123	12	11.4	12.3	13.1	217
10202495	19	13.7	14.7	15.7	339
10237547	37	17.8	19.1	20.4	570



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



Operating temp.  
-30 ... 80 °C

**OTHER CHARACTERISTICS**

**Test Voltage**

AC between cores..... 1.5 kV

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