



Reference: 10193620
EAN 13: 3427650107960

CONTACT

Market information
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International Designation: MPRXCX® 150/250 V 7x0.75

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 | 7 |
| Conductor cross-section | 0.75 mm ² |
| Minimum outer diameter | 9.0 mm |
| Nominal outer diameter | 9.7 mm |
| Maximum outer diameter | 10.4 mm |
| Approximate weight | 142 kg/km |

Electrical characteristics

| | |
|---|-------------------|
| Permissible current rating in open air | 7 A |
| Max. DC resistance of the conductor at 20°C | 26 Ohm/km |
| Permissible short circuit current | 107 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