



Reference: 10193617

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 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

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	7
Conductor cross-section	0.75 mm ²
Minimum outer diameter	7.8 mm
Maximum outer diameter	9.0 mm
Approximate weight	94 kg/km
Nominal outer diameter	8.4 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 _o /U (U _m)	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