



CONTACT

Market information
industryprojects.business@lynxgroup.com

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 U₀/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 characteristicsConductor cross-section 0.75 mm²**Electrical characteristics**Rated Voltage U₀/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

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