



Reference: 10202495
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CONTACT

Market information
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International Designation: MPRXCX® 150/250 V 19x0.75

CONTROL cables with screen

STANDARDS

Produkt IEC 60228

Installation IEC 60092-350; IEC 60092-360; IEC 60092-376

Tests 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



Leiterflexibilität
 KL.2=mehrdrähtig



Halogenfrei
 IEC 60754-1



Nennspannung Uo/
 U
 150 / 250 (300) V



Flammwidrig
 EN IEC 60332-3-22
 (cat A)



Flammwidrig
 IEC 60332-1



Rauchdichte
 IEC 61034



Korrosivität der
 (Brand-)Gase
 niedrig, gem. IEC
 60754-2



Elektromagnetisch
 geschirmt
 Ja

CHARACTERISTICS

Konstruktionsmerkmale

| | |
|--------------------|-----------------------------------|
| Leitermaterial | Kupfer, blank |
| Leiterflexibilität | KL.2=mehrdrätig |
| Isolierung | VPE (vernetztes Polyethylen) |
| Innenmantel | Lapped or extruded inner covering |
| Armierung | blankes Kupfergeflecht |
| Außenmantel | Polyolefin |
| Halogenfrei | IEC 60754-1 |
| Mantelfarbe | grau |

Abmessungsmerkmale

| | |
|------------------------------|----------------------|
| Aderanzahl | 19 |
| Leiterquerschnitt | 0,75 mm ² |
| Außendurchmesser Mindestwert | 13,7 mm |
| Außendurchmesser, nom. | 14,7 mm |
| Maximaler Außendurchmesser | 15,7 mm |
| Nettogewicht ca. | 339 kg/km |

Elektrische Eigenschaften

| | |
|--|-------------------|
| Zulässige Belastbarkeit in Luft | 5 A |
| Max. Gleichstromwiderstand des Leiters bei 20° C | 26 Ohm/km |
| Kurzschlussstrom | 107 kA |
| Nennspannung U ₀ /U | 150 / 250 (300) V |

Anwendungsmerkmale

| | |
|-----------------------------------|---------------------------|
| Flammwidrig | EN IEC 60332-3-22 (cat A) |
| Flammwidrig | IEC 60332-1 |
| Rauchdichte | IEC 61034 |
| Korrosivität der (Brand-)Gase | niedrig, gem. IEC 60754-2 |
| Elektromagnetisch geschirmt | Ja |
| Betriebstemperatur | -30 ... 80 °C |
| Max. Betriebstemperatur am Leiter | 90 °C |



Leiterflexibilität
KL.2=mehrdrätig



Halogenfrei
IEC 60754-1



Nennspannung U₀/U
150 / 250 (300) V



Flammwidrig
EN IEC 60332-3-22
(cat A)



Flammwidrig
IEC 60332-1



Rauchdichte
IEC 61034



Korrosivität der
(Brand-)Gase
niedrig, gem. IEC
60754-2



Elektromagnetisch
geschirmt
Ja

OTHER CHARACTERISTICS

Test Voltage

AC between cores..... 1.5 kV

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