



**Reference:** 10280642  
**EAN 13:** 3427580823114

#### CONTACT

Market information  
industryprojects.business@lynxgroup.com

## POWER & CONTROL cables with screen

### STANDARDS

**Produkt** IEC 60228

**Installation** IEC 60092-350; IEC 60092-353; IEC 60092-360

**Tests** a; IEC 60332-1; IEC 60332-3-22; IEC 60754-1; IEC 61034

### APPLICATIONS

MPRXCX® 0.6/1 kV armoured power and control cables are used for wiring fixed installations where enhanced mechanical protection and electrical screening is required.

The highly flexible MPRXCX® FLEXISHIP® range is recommended for installations and connections in narrow spaces where an optimal bending radius is required. The sectoral conductors of multicore cables provide further space and weight savings on the cable trays. Designed with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risks of fire.

### Design

- 1. Conductor:**  
Stranded bare copper, class 2  
or flexible bare copper, class 5 for FLEXISHIP® types (cross sections  $\geq 4 \text{ mm}^2$ )
- 2. Insulation:**  
XLPE (cross-linked polyethylene)
- 3. Inner covering:**  
(Filler, if necessary)  
Lapped
- 4. Armouring:**  
Bare copper braid
- 5. Outer sheath:**  
Polyolefin SHF1  
Colour: black

Example of marking:

LYNXEO 279 MPRXCX or MPRXCX FLEXISHIP Nbr of cores & cross-section 0.6/1kV 90C  
IEC 60092-353 IEC 60332-3-22 Cat. A WW YYYY \*CE\* Manufacturing n° + metric marking

Core Identification

- 1 x: black
- 2 x: brown-blue
- 3 x: brown-black-grey
- 3G: brown-blue-green/yellow
- 4 x: brown-black-grey-blue
- 4G: brown-black-grey-green/yellow
- 5 x: white with printed numbers
- 5G: brown-black-grey-blue-green/yellow
- > 5 cores: n x: white with printed numbers
- > 5 cores: nG: white with printed numbers + green/yellow core



Leiterflexibilität  
KL.5 = feindrätig



Halogenfrei  
IEC 60754-1



Nennspannung U<sub>o</sub>/  
U  
0.6/ 1 (1.2) kV



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
Isolierung	VPE (vernetztes Polyethylen)
Innenmantel	Lapped or extruded inner covering
Leiterflexibilität	KL.5 = feindrätig
Armierung	blankes Kupfergeflecht
Leiterform	Rund
Außenmantel	Polyolefin
Halogenfrei	IEC 60754-1
Mantelfarbe	Schwarz
Mit grün-gelber Ader	Nein

### Abmessungsmerkmale

Aderanzahl	4
Leiterquerschnitt	35 mm <sup>2</sup>
Außendurchmesser, nom.	- mm
Außendurchmesser Mindestwert	27,0 mm
Maximaler Außendurchmesser	31,0 mm
Nettogewicht ca.	1776 kg/km

### Elektrische Eigenschaften

Zulässige Belastbarkeit in Luft	110 A
Nennspannung U <sub>0</sub> /U	0.6/ 1 (1.2) kV
Max. Gleichstromwiderstand des Leiters bei 20° C	0,554 Ohm/km
Kurzschlussstrom	5 kA

### 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.5 = feindrätig



Halogenfrei  
IEC 60754-1



Nennspannung U<sub>0</sub>/  
U  
0.6/ 1 (1.2) kV



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..... 3.5 kV AC

### Minimum bending radius for fixed installations

- cable diameter **MPRXCX®**..... 6 x outer diameter
- cable diameter **MPRXCX® FLEXISHIP®**..... 5 x outer diameter



Leiterflexibilität  
KL.5 = feindrätig



Halogenfrei  
IEC 60754-1



Nennspannung U<sub>o</sub>/  
U  
0.6/ 1 (1.2) kV



Flammwidrig  
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Flammwidrig  
IEC 60332-1



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Korrosivität der  
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Elektromagnetisch  
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