



Reference: 10280520
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CONTACT

Market information
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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_o/
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	Ja

Abmessungsmerkmale

Aderanzahl	4
Leiterquerschnitt	6 mm ²
Außendurchmesser, nom.	15,0 mm
Außendurchmesser Mindestwert	14,0 mm
Maximaler Außendurchmesser	16,1 mm
Nettogewicht ca.	401 kg/km

Elektrische Eigenschaften

Zulässige Belastbarkeit in Luft	36 A
Nennspannung U ₀ /U	0.6/ 1 (1.2) kV
Max. Gleichstromwiderstand des Leiters bei 20° C	3,08 Ohm/km
Kurzschlussstrom	- 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



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Halogenfrei
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Nennspannung U₀/U
0.6/ 1 (1.2) kV



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



Flammwidrig
IEC 60332-1



Rauchdichte
IEC 61034



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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



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Halogenfrei
IEC 60754-1



Nennspannung U_o/
U
0.6/ 1 (1.2) kV



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IEC 60332-1



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