



Reference: 10164625  
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#### CONTACT

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## POWER & CONTROL cables with screen

### STANDARDS

Product IEC 60228

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

Test 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 4 mm<sup>2</sup>)
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



Conductor flexibility  
5



Halogen free  
IEC 60754 - 1



Uo/U  
(Um)  
0.6/ 1 (1.2) kV



Fire retardant  
EN IEC  
60332 - 3 - 22 (cat  
A)



IEC 60332 - 1



IEC 61034



Gases corrosion  
IEC 60754 - 2



Electro magnetic  
interference  
resistance  
Yes

## CHARACTERISTICS

Conductor flexibility	XLPE(가 )	5
Armour type		
Conductor shape		
Halogen free		IEC 60754 - 1
Sheath colour		
With Green/Yellow core		
		2
		16 mm <sup>2</sup>
Nominal outer diameter		16.8 mm
Minimum outer diameter		15.6 mm
Maximum outer diameter		18.0 mm
( )		479 kg/km
Permissible current rating in open air		82 A
U <sub>0</sub> /U (U <sub>m</sub> )		0.6/ 1 (1.2) kV
20 ° C DC		1.15 Ohm/km
Permissible short circuit current		2.3 kA
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)	
		IEC 60332 - 1
		IEC 61034
Gases corrosivity		IEC 60754 - 2
Electro magnetic interference resistance		Yes
操作度范		- 30 ... 80 ° C
Max. conductor temperature in service		90 ° C



Conductor flexibility  
5



Halogen free  
IEC 60754 - 1



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



Fire retardant  
EN IEC  
60332 - 3 - 22 (cat  
A)



IEC 60332 - 1



IEC 61034



Gases corrosivity  
IEC 60754 - 2



Electro magnetic  
interference  
resistance  
Yes

## 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



Conductor flexibility  
5



Halogen free  
IEC 60754 - 1



Uo/U  
0.6/ 1 (1.2) kV



Fire retardant  
EN IEC  
60332 - 3 - 22 (cat  
A)



IEC 60332 - 1



IEC 61034



Gases corrosivity  
IEC 60754 - 2



Electro magnetic  
interference  
resistance  
Yes