



Reference: 10171730

## CONTACT

Market information  
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## FIRE RESISTANT POWER CABLES

### STANDARDS

Product IEC 60228

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

Test a; IEC 60331 - 1 or 2; IEC 60332 - 1; IEC 60332 - 3 - 22; IEC 60754 - 1; IEC 61034

### APPLICATIONS

MPRXCX®331 0.6/1 kV armoured fire resistant power and control cables maintain circuit integrity in case of fire by meeting performances requirements from the IEC 60331 series for 180 minutes. They are used for detection and warning systems where enhanced mechanical protection and electrical screening (EMC) is required.

The highly flexible MPRXCX®331 FLEXISHIP® range is recommended for installations and connections in narrow spaces where an optimal bending radius is required. 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 class 5 for FLEXISHIP®
2. Insulation  
Mica + XLPE (cross-linked polyethylene)
3. Inner covering  
(lapped)
4. Armouring  
Bare copper braid, separator tape (optional)
5. Outer sheath  
Polyolefin SHF1  
Colour: orange

Example of marking:  
 LYNXEO 279 MPRXCX 331 or MPRXCX 331 FLEXISHIP 0.6/1 kV 3x1.5  
 90 ° C IEC 60092 - 353 IEC 60332 - 3 - 22 Cat. A IEC 60331 - 2 ww/yy \*CE\* +  
 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 cores: n x: white with printed numbers / nG: white with printed numbers + green/yellow core



Halogen free  
IEC 60754 - 2



Conductor flexibility  
2



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



Fire resistant  
IEC 60331 - 1 or  
- 2



IEC 60332 - 3 Cat.  
A



IEC 61034 - 2



Gases corrosivity  
IEC 60754 - 2



Electro magnetic  
interference  
resistance  
Yes

## CHARACTERISTICS

Halogen free	IEC 60754 - 2
Conductor flexibility	2
Protection	가 + ( )
Armour type	
Sheath colour	
With Green/Yellow core	
	3
	1.5 mm <sup>2</sup>
Minimum outer diameter	10.0 mm
Nominal outer diameter	- mm
Maximum outer diameter	13.0 mm
( )	184 kg/km
Permissible current rating in open air	20 A
U <sub>o</sub> /U (U <sub>m</sub> )	0.6/ 1 (1.2) kV
	3501 V
Fire resistant	IEC 60331 - 1 or - 2 IEC 60332 - 3 Cat. A IEC 61034 - 2
Gases corrosivity	IEC 60754 - 2
Electro magnetic interference resistance	Yes
操作度范	- 30 ... 81 ° C
Max. conductor temperature in service	91 ° C



Halogen free  
IEC 60754 - 2



Conductor  
flexibility

2



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



Fire resistant  
IEC 60331 - 1 or  
- 2



IEC 60332 - 3 Cat.  
A



IEC 61034 - 2



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

- MPRXCX® 331..... 6 x outer diameter
- MPRXCX® 331 FLEXISHIP®..... 5 x outer diameter