



## CONTACT

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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: G x: white with printed numbers / nG: white with printed numbers + green/yellow code



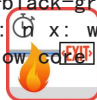
无卤  
IEC 60754-1



导线柔软度  
柔软等级5



额定电压U<sub>0</sub>/U  
0.6/ 1 (1.2) kV



耐火  
IEC 60331-1 or -2



阻燃 - 火焰  
IEC 60332-3 Cat.  
A



烟密度  
IEC 61034



气体腐蚀性  
低 IEC 60754-2



抗电磁干扰  
是

## CHARACTERISTICS

## 结构特性

无卤	IEC 60754-1
导线柔软度	柔软等级5
导体材料	裸铜线
绝缘	交联聚乙烯+云母带
防护	填充物（任选）
外护套	聚烯烃
铠装类型	裸铜编织
护套颜色	橙
有绿/黄芯线	无

## 尺寸特性

芯线数	1
导线截面	50 mm <sup>2</sup>
外径最小值	15.0 mm
标称外径	- mm
Maximum outer diameter	17.0 mm
近似重量	650 kg/km

## 电气特性

露天允许通过的额定电流	196 A
额定电压U <sub>0</sub> /U	0.6/ 1 (1.2) kV
测试电压	3500 V

## 使用特性

耐火	IEC 60331-1 or -2
阻燃 - 火焰	IEC 60332-3 Cat. A
烟密度	IEC 61034
气体腐蚀性	低 IEC 60754-2
抗电磁干扰	是
操作温度范围	-30 ... 80 ° C
芯线最高静止温度	90 ° C



无卤  
IEC 60754-1



导线柔软度  
柔软等级5



额定电压U<sub>0</sub>/U  
0.6/ 1 (1.2) kV



耐火  
IEC 60331-1 or -2



阻燃 - 火焰  
IEC 60332-3 Cat.  
A



烟密度  
IEC 61034



气体腐蚀性  
低 IEC 60754-2



抗电磁干扰  
是

## 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