



Reference: 10171161  
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## CONTACT

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International Designation: MPRX FLEXISHIP 331 0.6/1kV 4x50

## 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

## APPLICATION

MPRX®331 0.6/1 kV 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 not subject to mechanical risks.

The highly flexible MPRX®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 tape + XLPE (cross-linked polyethylene)
3. Outer sheath  
(Filler if necessary)  
Polyolefin SHF1  
Colour: orange

Example of marking:

LYNXEO 279 MPRX 331 or MPRX 331 FLEXISHIP 0.6/1 kV "n" x (orG) "s" 90° C IEC 60092-353 IEC 60332-3-22 Cat. A IEC 60331-1/21 "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



无卤  
IEC 60754-1



导线柔软度  
绞和等级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  
EN IEC 60332-3-22  
(cat A)



烟密度  
IEC 61034



气体腐蚀性  
低 IEC 60754-2



操作温度  
-30 ... 80 ° C

## CHARACTERISTICS

### 结构特性

导体材料	裸铜线
无卤	IEC 60754-1
护套颜色	橙
绝缘	交联聚乙烯+云母带
填充物/内护套材料	如需填充物
外护套	聚烯烃
导线柔软度	绞和等级5
有绿/黄芯线	无

### 尺寸特性

芯线数	4
导线截面	50 mm <sup>2</sup>
外径最小值	31.1 mm
Maximum outer diameter	35.7 mm
近似重量	2345 kg/km
标称外径	33.4 mm

### 电气特性

额定电压U <sub>0</sub> /U	0.6/ 1 (1.2) kV
允许通过的短路电流	7.2 kA
露天允许通过的额定电流	137 A
20° C时导体的最大直流电阻	0.386 Ohm/km

### 使用特性

耐火	IEC 60331-1 or -2
阻燃	EN IEC 60332-3-22 (cat A)
烟密度	IEC 61034
气体腐蚀性	低 IEC 60754-2
操作温度范围	-30 ... 80 ° C
芯线最高静止温度	90 ° C

## OTHER CHARACTERISTICS

### Test Voltage

AC between

cores.....

.. 3.5 kV AC

### Minimum bending radius for fixed installations

- MPRX®

331..... 6 x  
 outer diameter

- MPRX® 331 FLEXISHIP®..... 5 x  
 outer diameter