



Reference: 10235005  
 EAN 13: 3427650138568

## CONTACT

Market information  
 industryprojects.business@lynxéogroup.com

International Designation: MPRX FLEXISHIP 331 0.6/1kV 4x35

## 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:

LYNXÉO 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



Halogen free  
IEC 60754 - 1



Conductor flexibility

5



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



Fire resistant  
IEC 60331 - 1 or  
- 2



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



IEC 61034



Gases corrosivity  
IEC 60754 - 2



Operating temp.  
- 30 ... 80 ° C

## CHARACTERISTICS

|  |    |                               |
|--|----|-------------------------------|
| Halogen free                           |    | IEC 60754 - 1                 |
| Sheath colour                          | 가  | +                             |
| Material of filler / inner sheath      |    |                               |
| Conductor flexibility                  |    | 5                             |
| With Green/Yellow core                 |    |                               |
|  |    | 4                             |
|  |    | 35 mm <sup>2</sup>            |
| Minimum outer diameter                 |    | 28.0 mm                       |
| Maximum outer diameter                 |    | 32.2 mm                       |
| ( )                                    |    | 1724 kg/km                    |
| Nominal outer diameter                 |    | 30.1 mm                       |
| U <sub>0</sub> /U (U <sub>m</sub> )    |    | 0.6/ 1 (1.2) kV               |
| Permissible short circuit current      |    | 5 kA                          |
| Permissible current rating in open air |    | 110 A                         |
| 20 ° C                                 | DC | 0.554 Ohm/km                  |
| Fire resistant                         |    | IEC 60331 - 1 or - 2          |
| Fire retardant                         |    | EN IEC 60332 - 3 - 22 (cat A) |
|  |    | IEC 61034                     |
| Gases corrosivity                      |    | IEC 60754 - 2                 |
| 操作度范                                   |    | - 30 ... 80 ° C               |
| Max. conductor temperature in service  |    | 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