



Reference: 10283237
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CONTACT

Market information
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International Designation: MPRX FLEXISHIP 331 0.6/1kV 3x50

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



Senza alogeno
 IEC 60754-1



Flessibilità del conduttore
 A trefoli classe 5



Tensione nominale
 U₀/U (Um)
 0.6/1 (1.2) kV



Resistenza al fuoco
 IEC 60331-1 or -2



Fuoco ritardante
 EN IEC 60332-3-22
 (cat A)



Densità fumo
 IEC 61034



Fumo
 IEC 60754-2



Temperatura Operativa
 -30 ... 80 °C

CHARACTERISTICS

Caratteristiche costruttive

Materiale del conduttore	Rame nudo
Senza alogeno	IEC 60754-1
Colore della guaina esterna	Arancio
Isolamento	XLPE + nastro di mica
Riempitivo	Riempitivo se necessario
Guaina esterna	Poliolefina
Flessibilità del conduttore	A trefoli classe 5
Con anima giallo/verde (terra)	N

Caratteristiche dimensionali

Numero di anime	3
Sezione del conduttore del cavo	50 mm ²
Diametro esterno min	27,9 mm
Diametro esterno max	32,1 mm
Peso approssimativo del cavo	1802 kg/km
Diametro esterno nominale del cavo	30,0 mm

Caratteristiche elettriche

Tensione nominale U _o /U (U _m)	0.6/ 1 (1.2) kV
Corrente ammissibile di corto circuito	7,2 kA
Portata di corrente in aria libera	137 A
Massima resistenza el. del cond. a 20°C in c.c.	0,386 Ohm/km

Caratteristiche d'utilizzo

Resistenza al fuoco	IEC 60331-1 or -2
Fuoco ritardante	EN IEC 60332-3-22 (cat A)
Densità fumo	IEC 61034
Fumo	IEC 60754-2
Temperatura Operativa	-30 ... 80 °C
Temperatura massima di servizio del conduttore	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