

MPRX / MPRX FLEXISHIP 0.6/1kV

MPRX® FLEXISHIP® 0.6/1kV 1x16

Contact

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POWER & CONTROL cables without screen

DESCRIPTION

Applications

MPRX® 0.6/1 kV power and control cables are used for wiring fixed installations not subject to mechanical risks.

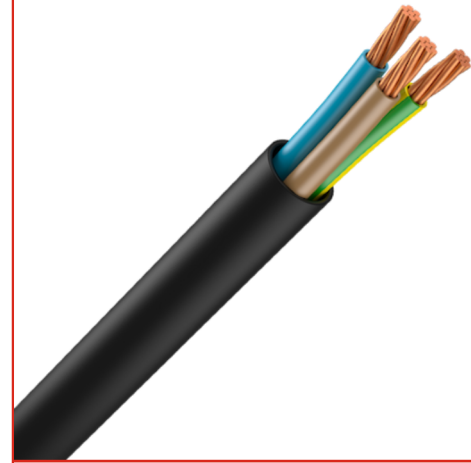
The highly flexible MPRX® FLEXISHIP® range is recommended for installations and connections in narrow spaces where an optimal bending radius is required. The sectoral conductors of multicore cables provide further space and weight savings on the cable trays. Designed with halogen-free fire retardant 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 flexible bare copper, class 5 for FLEXISHIP® types
(cross sections > 4 mm²)
- 2. Insulation:**
XLPE (cross-linked polyethylene)
- 3. Outer sheath:**
(Filler, if necessary)
Polyolefin SHF1 (SHF2 on request)
Colour : black

Marking

NEXANS 279 MPRX or MPRX FLEXISHIP Nber of cores & cross-section 0.6/1kV 90C
IEC 60092-353 IEC 60332-3-22 Cat. A WW YYYY *CE* Manufacturing n° + metric marking



STANDARDS

International IEC 60092-3;
IEC 60092-350; IEC 60298;
IEC 60332-3 Cat.A;
IEC 60754-1; IEC 60754-2;
IEC 61034



Conductor flexibility
Flexible class 5



Halogen free
IEC 60754-1



Rated Voltage U_o/U
(U_m)
0.6/ 1 (1.2) kV



Fire retardant
IEC 60332-3-22



Flame retardant
IEC 60332-1



Gases toxicity
No



Gases corrosivity
IEC 60754-2



Smoke density
IEC 61034

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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Core Identification

1 core: black
2 cores: 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 x: white with printed numbers
5G: brown-black-grey-blue-green/yellow
> 5 cores: nx: white with printed numbers
> 5 cores: nG: white with printed numbers + green/yellow core

CHARACTERISTICS

Construction characteristics

Conductor material	Bare copper
Conductor flexibility	Flexible class 5
Insulation	XLPE (Cross-linked Polyethylene)
Conductor shape	Circular
Material of filler / inner sheath	Filler if necessary
Outer sheath	Polyolefin
Halogen free	IEC 60754-1
Sheath colour	Black
With Green/Yellow core	No

Dimensional characteristics

Number of cores	1
Conductor cross-section	16 mm ²
Minimum outer diameter	8.4 mm
Maximum outer diameter	9.8 mm
Approximate weight	173 kg/km
Nominal outer diameter	8.4 mm

Electrical characteristics

Permissible short circuit current	2.3 kA
Permissible current rating in open air	96 A
Max. DC resistance of the conductor at 20°C	1.15 Ohm/km
Rated Voltage U _o /U (U _m)	0.6/ 1 (1.2) kV



Conductor flexibility
Flexible class 5



Halogen free
IEC 60754-1



Rated Voltage U_o/U (U_m)
0.6/ 1 (1.2) kV



Fire retardant
IEC 60332-3-22



Flame retardant
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Gases toxicity
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Usage characteristics

Fire retardant	IEC 60332-3-22
Flame retardant	IEC 60332-1
Gases toxicity	No
Gases corrosivity	IEC 60754-2
Smoke density	IEC 61034
Operating temperature, range	-30 - 80 °C
Max. conductor temperature in service	90 °C



Conductor flexibility
Flexible class 5



Halogen free
IEC 60754-1



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



Fire retardant
IEC 60332-3-22



Flame retardant
IEC 60332-1



Gases toxicity
No



Gases corrosivity
IEC 60754-2



Smoke density
IEC 61034

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