MPRX® / MPRX® FLEXISHIP® 0.6/1kV

MPRX® FLEXISHIP® 0.6/1kV 5G25



Reference: 10283779

CONTACT

Market information
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POWER & CONTROL cables without screen

STANDARDS

Product IEC 60228

Installation IEC 60092-350; IEC 60092-353; IEC 60092-360

Test a; IEC 60332-1; IEC 60332-3-22; IEC 60754-1; IEC 61034

APPLICATIONS

Conductor flexibility **Flexible class 5**

Halogen free **IEC 60754-1**

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

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

Flame retardant **IEC 60332-1**

Smoke density **IEC 61034**

Gases corrosivity **IEC 60754-2**

Operating temp. **-30 ... 80 °C**

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

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	Yes
Dimensional characteristics	
Number of cores	5
Conductor cross-section	25 mm²
Nominal outer diameter	25.9 mm
Minimum outer diameter	24.1 mm
Maximum outer diameter	27.7 mm
Approximate weight	1342 kg/km
Electrical characteristics	
Permissible short circuit current	- kA
Permissible current rating in open air	89 A
Max. DC resistance of the conductor at 20°C	0.727 Ohm/km
Rated Voltage Uo/U (Um)	0.6/ 1 (1.2) kV
Usage characteristics	
Fire retardant	EN IEC 60332-3-22 (cat A)
Flame retardant	IEC 60332-1
Smoke density	IEC 61034
Gases corrosivity	IEC 60754-2
Operating temperature, range	-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®
• cable diameter ≤ 25 mm..... 4 x outer diameter
• cable diameter > 25 mm..... 6 x outer diameter

Minimum bending radius for fixed installations MPRX® FLEXISHIP®..... 4 x outer diameter

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