MPRX® / MPRX® FLEXISHIP® 0.6/1kV

MPRX® FLEXISHIP® 0.6/1kV 3G16

Reference: 10283958

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	Halogen free	Rated Voltage Uo/U (Um)	Fire retardant	Flame retardant	Smoke density	Gases corrosivity	Operating temp.
Flexible class 5	**IEC 60754-1**	**0.6/ 1 (1.2) kV**	**EN IEC 60332-3-22 (cat A)**	**IEC 60332-1**	**IEC 61034**	**IEC 60754-2**	**-30 ... 80 °C**

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	3
Conductor cross-section	16 mm²
Nominal outer diameter	16.5 mm
Minimum outer diameter	15.3 mm
Maximum outer diameter	17.7 mm
Approximate weight	553 kg/km
Electrical characteristics	
Permissible short circuit current	2.3 kA
Permissible current rating in open air	67 A
Max. DC resistance of the conductor at 20°C	1.15 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