



## 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

**Reference:** 10283958

### CONTACT

Market information  
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Conductor flexibility  
Flexible class 5



Halogen free  
IEC 60754-1



Rated Voltage U<sub>0</sub>/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

## 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 mm <sup>2</sup>
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 U <sub>0</sub> /U (U <sub>m</sub> )	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