



Reference: 10281618
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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 U₀/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	5
Conductor cross-section	50 mm ²
Nominal outer diameter	33.7 mm
Minimum outer diameter	31.4 mm
Maximum outer diameter	36.1 mm
Approximate weight	2614 kg/km

Electrical characteristics

Permissible short circuit current	- kA
Permissible current rating in open air	137 A
Max. DC resistance of the conductor at 20°C	- Ohm/km
Rated Voltage U ₀ /U (U _m)	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