



Reference: 10281619
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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 | 70 mm ² |
| Nominal outer diameter | 40.9 mm |
| Minimum outer diameter | 38.0 mm |
| Maximum outer diameter | 43.8 mm |
| Approximate weight | 3731 kg/km |

Electrical characteristics

| | |
|---|-----------------|
| Permissible short circuit current | - kA |
| Permissible current rating in open air | 169 A |
| Max. DC resistance of the conductor at 20°C | 0.272 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