

SINGLE CORE POWER CABLES - UNSHIELDED

SINGLE CORE POWER CABLES 1x185

Contact

Market and Product Information
automation.business@nexans.com

Nexans Ref.: 49349510

Single core power cables for extremely dynamic applications MOTIONLINE® PREMIUM

DESCRIPTION

Single core power cables for extremely dynamic applications; PUR jacket, TPM insulation, resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC- and halogen-free.



STANDARDS

International
UL and CSA approval



Halogen free
Yes



Operating temp.
-30 - 80 °C



Storage temperature, range
-50 - 80 °C



Flame retardant
IEC 60332-1; FT1; UL 1581



Oil resistance
DIN EN 50363-10-2 & DIN EN 60811-404

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

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CHARACTERISTICS

Construction characteristics

| | |
|--------------------|--|
| Construction type | 1x185 |
| Conductor material | Bending-resistant conductor with bare copper wires |
| Insulation | TPM with very low capacitance |
| Outer sheath | PUR |
| Sheath colour | Black |
| Halogen free | Yes |

Dimensional characteristics

| | |
|--------------------|------------|
| Copper content | 1890 kg/km |
| Approximate weight | 2015 kg/km |
| Outer Diameter | 26.6 mm |

Electrical characteristics

| | |
|---------------------------------|----------|
| Rated Voltage U ₀ /U | 0.6/1 kV |
| Test voltage | 4000 V |

Mechanical characteristics

| | |
|----------------------|---------------------|
| Bending cycles | 5 Mio. |
| Speed | 300 m/min |
| Maximum acceleration | 50 m/s ² |

Usage characteristics

| | |
|--|--------------------------------------|
| Field of application | Dynamic |
| Minimum dynamic operating bending radius | 7.5 (xD) |
| Operating temperature, range | -30 - 80 °C |
| Storage temperature, range | -50 - 80 °C |
| Flame retardant | IEC 60332-1; FT1; UL 1581 |
| Oil resistance | DIN EN 50363-10-2 & DIN EN 60811-404 |

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