



Reference: U1B185016809
Country Ref.: U1B185016809

CONTACT

Market information
 industryprojects.business@lynxéogroup.com

Power supply single core cables for dynamic applications with PUR jacket, unshielded, resistant to oils, flame retardant

STANDARDS

Product UL and CSA approval

Approval

UR AWM STYLE 10835 80°C 1000 V

Oil Resistance:

VDE 0472-803 Test B

Flame retardant:

IEC 60332-1

FT1

UL 1581

EN 50265-2-1



Operating temp.
 -30 ... 80 °C



Storage temperature, range
 -40 ... 80 °C



Flame retardant
 IEC/EN 60332-1-2; FT1; UL 1581 FT1



Oil resistance
 VDE 0472 part 803 B

CHARACTERISTICS

Construction characteristics

| | |
|--------------------|----------------|
| Construction type | 1x185 |
| Conductor material | Bare copper |
| Insulation | Polyolefin |
| Taping | Non woven tape |
| Outer sheath | PUR |
| Sheath colour | Black |

Dimensional characteristics

| | |
|-------------------------|---------------------|
| Conductor cross-section | 185 mm ² |
| Nominal outer diameter | 26.4 mm |
| Copper content | 1800 kg/km |
| Approximate weight | 2034 kg/km |

Electrical characteristics

| | |
|---------------------------------|--------|
| Rated Voltage U ₀ /U | 1000 V |
| Test voltage | 3000 V |

Mechanical characteristics

| | |
|------------------------|---------------------|
| Maximum acceleration | 25 m/s ² |
| Minimum bending cycles | 5 Mio. |
| Speed | 300 m/min |

Usage characteristics

| | |
|--|------------------------------------|
| Field of application | Dynamic |
| Minimum dynamic operating bending radius | 7.5 (xD) |
| Operating temperature, range | -30 ... 80 °C |
| Storage temperature, range | -40 ... 80 °C |
| Flame retardant | IEC/EN 60332-1-2; FT1; UL 1581 FT1 |
| Oil resistance | VDE 0472 part 803 B |