



**Reference:** U1B120016809  
**Country Ref.:** U1B120016809

### CONTACT

Market information  
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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	1x120
Conductor material	Bare copper
Insulation	Polyolefin
Taping	Non woven tape
Outer sheath	PUR
Sheath colour	Black

## Dimensional characteristics

Conductor cross-section	120 mm <sup>2</sup>
Nominal outer diameter	21.3 mm
Copper content	1152 kg/km
Approximate weight	1419 kg/km

## Electrical characteristics

Rated Voltage U <sub>0</sub> /U	1000 V
Test voltage	3000 V

## Mechanical characteristics

Maximum acceleration	25 m/s <sup>2</sup>
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