



Reference: U1B16016809
Country Ref.: U1B16016809

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	1x16
Conductor material	Bare copper
Insulation	Polyolefin
Taping	Non woven tape
Outer sheath	PUR
Sheath colour	Black

Dimensional characteristics

Conductor cross-section	16 mm ²
Nominal outer diameter	9.6 mm
Copper content	154 kg/km
Approximate weight	236 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