



Reference: 10553126
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CONTACT

Market information
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Power supply multiconductor cables for dynamic applications with PVC jacket, shielded, resistant to oils, flame retardant, MTW.

STANDARDS

Product UL and CSA approval

NORMATIVE REFERENCE

UL and CSA approval
 AWM 80°C - 600V/1000V
 AWM 80°C - 600V/1000V FT1
 MTW 90°C - 600V

Oil resistance:

IEC 50363-4-1

Refrigerant oil resistance:

CNOMO E.03.40.150

NFT 46-013

Flame retardant:

IEC 60332-1-2

FT1

UL1581

EN 50265-2-1

Availability with orange jacket type on request



Operating temp.
 -25 ... 80 °C



Storage temperature, range
 -30 ... 80 °C



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



Oil resistance
 EN 50363-4-1

CHARACTERISTICS

Construction characteristics

Construction type	(7G2,5)C
Conductor material	Stranded bare copper
Insulation	PVC
Taping	Soft tape
Insulation colour	Black w. number + yellow/green
Lay Up	Power cores stranded with filler
Shielding	80% tinned copper braid coverage
Outer sheath	PVC
Sheath colour	Grey RAL 7001

Dimensional characteristics

Nominal outer diameter	14.7 mm
Copper content	226 kg/km
Approximate weight	354 kg/km

Electrical characteristics

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

Mechanical characteristics

Maximum acceleration	10 m/s ²
Minimum bending cycles	5 Mio.
Speed	180 m/min

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-25 ... 80 °C
Storage temperature, range	-30 ... 80 °C
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1
Oil resistance	EN 50363-4-1
Refrigerant oil resistance	CNOMO E.03.40.150N; NFT 46-013