



Reference: 13-ELW05G03R-C1
Country Ref.: 13-ELW05G03R-C1

CONTACT

Market information
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Power supply multiconductor cables for dynamic application with PVC jacket, unshielded, 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
 UL 1581
 EN 50265-2-1

Core identification

4x U/L1/C/L + V/L2 W/L37D/L- Yellow/Green
 7 x Black numerated Yellow/Green



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	3G16
Conductor material	Stranded bare copper
Insulation	PVC
Taping	Soft tape
Insulation colour	Black w. number + yellow/green
Outer sheath	PVC
Sheath colour	Grey RAL 7001

Dimensional characteristics

Number of cores	-
Conductor cross-section	1.5 mm ²
Nominal outer diameter	23.0 mm
Copper content	461 kg/km
Approximate weight	110 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