



**Reference:** 13-ELWA1G03R-C1  
**Country Ref.:** 13-ELWA1G03R-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	3G50
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 <sup>2</sup>
Nominal outer diameter	34.0 mm
Copper content	1440 kg/km
Approximate weight	110 kg/km

## Electrical characteristics

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

## Mechanical characteristics

Maximum acceleration	10 m/s <sup>2</sup>
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