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## CONTACT

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Flexible soft copper conductor, with polyvinyl chloride (PVC) insulation.

## STANDARDS

Product UL 758

## APPLICATION

AWM FLEXIBLE cables are used to connect lighting fixtures, appliance or equipment wiring, and in applications with temperatures up to 105°C.

**Note:** Any other application or use not described above is considered prohibited.

## CONSTRUCTION

### Conductor

Flexible soft copper.

### Insulation

Polyvinyl chloride (PVC), flame retardant (FR), resistant to heat, abrasion and humidity; free of hazardous substances (RoHS).

## APPLICABLE STANDARDS

UL 758

### Certificate

RETIE N° 02703

### Operating Temperature

105°C

### Operating Voltage

600V

### Identification

Insulation in colors according to manufacturing standard.



Conductor flexibility  
**Flexible**



Max. conductor temp. in service  
**105 °C**



RoHS compliant  
**Yes**

## CHARACTERISTICS

### Construction characteristics

Conductor flexibility	Flexible
Conductor material	Soft copper
Conductor shape	Bunched Wires
Insulation	PVC

### Dimensional characteristics

Approximate weight	20.01 kg/km
Conductor cross-section	1.31 mm <sup>2</sup>
Conductor diameter	1.534 mm
Nominal insulation thickness	0.76 mm
Nominal outer diameter	3.14 mm
Number of cores	1

### Electrical characteristics

Ampacity	8.0 A
Max. DC resistance of the conductor at 20°C	13.7 Ohm/km
Operating voltage	600 V

### Mechanical characteristics

Abrasion resistance	Good
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### Usage characteristics

Max. conductor temperature in service	105 °C
RoHS compliant	Yes



Conductor flexibility  
Flexible



Max. conductor temp. in service  
105 °C



RoHS compliant  
Yes

### **AMPACITY CONDITIONS**

- Ampacity value according to NTC 2050, Table 402.5.
- 20 AWG: Ampacity value for reference only.

### **NOTE:**

- The data reported here are nominal and are subject to tolerances according to standards and normal manufacturing practices.
- Other configurations not specified in this catalog may be available under special request and minimum manufacturing quantities.