

AWM FLEXIBLE CABLE 600V 105°C PVC RoHS



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.

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

Marking

CENTELSA by NEXANS AWM FLEXIBLE Cu 105°C < Calibre AWG / Kcmil > 600 V
PVC - RoHS - HECHO EN COLOMBIA.

Identification

Insulation in colors according to manufacturing standard.



CONTACT

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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

Nominal insulation thickness	0.76 mm
Number of cores	1

Electrical characteristics

Operating voltage	600 V
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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

PRODUCT LIST

	Name	Cross section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Ampacity [A]
	20 AWG	0.517	2.62	11.59	34.7	4.7
	18 AWG	0.821	2.81	14.46	21.9	6.0
	16 AWG	1.31	3.14	20.01	13.7	8.0
	14 AWG	2.08	3.56	28.69	8.61	17.0
	12 AWG	3.31	4.03	41.06	5.42	23.0
	10 AWG	5.26	4.65	60.51	3.41	28.0

AMPACITY CONDITIONS

- Ampacity to 105 °C conductor temperature, 30°C ambient temperature. 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.