



Product: <u>7427W</u> ☑

MachFlex[™], 11+1G C #16 Str BC, PVC-NYL Ins, TPE Jkt, 1000V WTTC, 600V TC-ER

😭 Request Sample

Product Description

MachFlex™ for High Flex, 11+1G Conductor 16AWG (26x30) Bare Copper, PVC-NYL Insulation, TPE Outer Jacket, 1000V WTTC, 600V TC-ER

Technical Specifications

Product Overview

onductor						
Element	No. of Elements	Size	Stranding	Material		
Conductor(s)	11	16 AWG	26x30	BC - Bare Copper		
Ground Wire	1	16 AWG	26x30	BC - Bare Copper		
		IUANO	20,30	DC - Dale Coppei		
nsulation Element		aterial	20,30	Nom. Thickness	Nom. Insulation Diameter	Color Code
	Ma	aterial		Nom. Thickness	Nom. Insulation Diameter 0.101 in (2.57 mm)	Color Code Black and Numbered

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
non-Woven Tape	TPE - Thermoplastic Elastomer	0.063 in (1.6 mm)	0.55 in
Overall Cable Dia	meter (Nominal): 0.55 in		

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	4.18 Ohm/1000ft	13.3 Amps per Conductor at 30°C
Ground Wire	4.45 Ohm/1000ft (14.6 Ohm/km)	30.4 Amps per Conductor at 30°C

Voltage

UL Voltage Rating 1000 V (WTTC), 600 V (TC-ER)

Mechanical Characteristics

Temperature

UL Temperature	Operating
UL : 90°C Dry, 75°C Wet; AWM 20328 : 105°C	-40°C To 105°C

Bend Radius

Stationary Min.	Installation Min.
2.2 in (56 mm)	2.75 in
Max. Pull Tension	:
Max. Full Tension.	•
Bulk Cable Weight	t:

Standards and Compliance

Environmental Suitability:	Outdoor, Sunlight Resistance, UV Resistance, Oil Resistance
Flammability / Reaction to Fire:	UL1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336
AWM Compliance:	AWM 20328, AWM I/II A/B
CEC / C(UL) Compliance:	CIC, TC
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:

Revision Number: 0.364 Revision Date: 01-10-2024

Part Numbers

Variants

ltem #	Color	Putup Type	Length	UPC	Footnote
7427W 060250	Chrome	Reel	250 ft	612825186373	С
7427W 0601000	Chrome	Reel	1,000 ft	612825186366	С
7427W 0605000	Chrome	Reel	5,000 ft	612825186380	

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