

M	Product: <u>7413₩</u> ⊠				
	MachFlex™, 6+1G C #18 Str BC, PVC-NYL Ins, TPE Jkt, 1000V WTTC, 600V TC-ER				
	Request Sample				

Product Description

MachFlex™ for High Flex, 6+1G Conductor 18AWG (16x30) Bare Copper, PVC-NYL Insulation, TPE Outer Jacket, 1000V WTTC, 600V TC-ER

Technical Specifications

Product Overview

Construction Details						
onductor						
Element	No. of Elements	Size	Stranding	Material		
Conductor(s)	6	18 AWG	16x30	BC - Bare Copper		
Ground Wire	1	18 AWG	16x30	BC - Bare Copper		
nsulation						
nsulation Element	Ма	aterial		Nom. Thickness	Nom. Insulation Diameter	Color Code
Element Conductor(s)			ide + Nylon			Color Code Black and Numbered

No Shield

•	Outer Jacket							
	Separator	Material	Nom. Thickness	Nom. Diameter				
	non-Woven Tape	TPE - Thermoplastic Elastomer	0.047 in (1.2 mm)	0.39 in				
I	Overall Cable Dia	meter (Nominal): 0.39 in						

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	6.5 Ohm/1000ft	10.5 Amps per Conductor at 30°C
Ground Wire	7.06 Ohm/1000ft (23.2 Ohm/km)	24 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.
1.56 in (39.6 mm)	1.95 in
Max. Pull Tension:	
Bulk Cable Weight	:: 8

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: 0.370 Revision Date: 01-10-2024

Part Numbers

Variants

ltem #	Color	Putup Type	Length	UPC	Footnote
7413W 060250	Chrome	Reel	250 ft	612825185864	С
7413W 0601000	Chrome	Reel	1,000 ft	612825185857	С

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