

JÅ.	Product: <u>7412W</u> ☑				
	MachFlex™, 4+1G C #18 Str BC, PVC-NYL Ins, TPE Jkt, 1000V WTTC, 600V TC-ER				
	😭 Request Sample				

Product Description

MachFlex™ for High Flex, 4+1G Conductor 18AWG (16x30) Bare Copper, PVC-NYL Insulation, TPE Outer Jacket, 1000V WTTC, 600V TC-ER

Technical Specifications

Construction Details

Conductor							
Element	Number of Element	Size	Strandin	g Material			
Conductor(s)	4	18 AWG	16x30	BC - Bare Cop	ber		
Ground Wire	1	18 AWG	16x30	BC - Bare Copp	per		
Insulation							
	Element Material Nom. Thickness Nom. Insulation Diameter Color Code nductor(s) PVC/Nylon - Polyvinyl Chloride + Nylon 0.021 in (0.53 mm) 0.089 in (2.3 mm) Black and Numbered						
Conductor(s) Ground Wire				0.021 in (0.53 mm)	0.089 in (2.3 mm)	Black and Numbered Green/Yellow	
Ground wire	Yound Wire PVC/Nylon - Polyvinyl Chloride + Nylon 0.021 in (0.53 mm) 0.089 in (2.3 mm) Green/Yellow					Green/Tenow	
Outer Shield							
Material							
No Shield							
Outer Jacket							
Separator	Mater	ial	Nom	. Thickness Non	n. Diameter		
	ape TPE - Thermopla			' in (1.2 mm) 0.33			
	Diameter (Nominal):			, ,			
Overall Gable	Diameter (Norminar).	0.000 11					
Electrical Characteristics							
Electricals Element Nom. Conductor DCR Max. Current							
	6.5 Ohm/1000ft		12 Amps	s per Conductor at	30°C		
Ground Wire	7.06 Ohm/1000ft (23.	2 Ohm/km		s per Conductor at			
Ma Mara							
Voltage							
	age 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.							
1.35 in (34.3 mm) 1.69 in							
	,	00.0 lb - /0	77 (c)				
Max. Pull Tension: 83.2 lbs (37.7 kg)							

Bulk (Cable	Weight:	
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70 lbs/1000ft

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

Revision Number: 0.372 Revision Date: 05-05-2023

Part Numbers

Update and Revision:

Variants

ltem #	Color	Putup Type	Length	UPC
7412W 060250	Chrome	Reel	250 ft	612825185833
7412W 0601000	Chrome	Reel	1,000 ft	612825185826
7412W 0605000	Chrome	Reel	5,000 ft	612825185840

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