

Å	Product: <u>7447W</u> ☑						
	MachFlex™, 3+1G C #10 Str BC, PVC-NYL Ins, TPE Jkt, 1000V WTTC, 600V TC-ER						
	11 Request Sample						

# **Product Description**

MachFlex™ for High Flex, 3+1G Conductor 10AWG (105x30) Bare Copper, PVC-NYL Insulation, TPE Outer Jacket, 1000V WTTC, 600V TC-ER

## **Technical Specifications**

#### Product Overview

Conductor						
Element	No. of Elements	Size	Stranding	Material		
Conductor(s)	3	10 AWG	105x30	BC - Bare Copper		
Ground Wire	1	10 AWG	105x30	BC - Bare Copper		
sulation	Ma	aterial		Nom. Thickness	Nom. Insulation Diameter	Color Code
	Ma PVC/Nylon - Polyv		ide + Nylon		Nom. Insulation Diameter 0.172 in (4.37 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)	0.546 in
Overall Cable Diar	meter (Nominal): 0.546 in		

## **Electrical Characteristics**

#### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	1 Ohm/1000ft	42 Amps per Conductor at 25°C
Ground Wire	1.08 Ohm/1000ft (3.54 Ohm/km)	

## 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

Stationary Min.	Installation Min.
2.18 in (55.4 mm)	2.73 in
Max. Pull Tension:	5
Bulk Cable Weight	: 2

#### **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: 0.380 Revision Date: 01-10-2024

#### **Part Numbers**

#### Variants

ltem #	Color	Putup Type	Length	UPC	Footnote
7447W 060250	Chrome	Reel	250 ft	612825186915	С
7447W 0601000	Chrome	Reel	1,000 ft	612825186908	С
7447W 0605000	Chrome	Reel	5,000 ft	612825186922	

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