



Product: [7423W](#)

MachFlex™, 3C+1G #16 Str BC, PVC-NYL Ins, TPE Jkt, 1000V WTTC, 600V TC-ER

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Product Description

MachFlex™ for High Flex, 3+1G Conductor 16AWG (26x30) Bare Copper, PVC-NYL Insulation, TPE Outer Jacket, 1000V WTTC, 600V TC-ER

Technical Specifications

Product Overview

Suitable Applications:	C-Track Systems, Automated Assembly systems, Material Handling Systems, Pick and Place Systems, Gantry Systems, Multi-Axis Machining
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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	3	16	26x30	BC - Bare Copper
Ground	1	16	26x30	BC - Bare Copper

Insulation

Element	Material	Thickness	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.021 in	Black and Numbered
Ground	PVC/Nylon - Polyvinyl Chloride + Nylon	0.021 in	Green / Yellow Stripe

Outer Jacket Material

Material	Thickness	Nom. Diameter
TPE - Thermoplastic Elastomer	0.047 in	0.342 in

Cable Diameter (Nominal): 0.342 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR
Conductor(s)	4 Ohm/1000ft
Ground	4 Ohm/1000ft

Voltage

UL Voltage Rating
(WTTC), 600 V (TC-ER, UL AWM 20328)

Mechanical Characteristics

Temperature

UL Rating	Operating
90°C Dry, 75°C Wet	-40°C to +90°C

Bend Radius

Installation Min.	Flexing Min.
1.4 in	3.4 in

Max. Pull Tension: 140 lbs

Bulk Cable Weight:	79 lbs/1000ft
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Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Fire Resistance:	UL 1685 (FT4 Loading), FT4, 1202
NEC / UL Compliance:	Article 336, Article 760, TC-ER, WTTC
AWM Compliance:	20328, 2587, 21486, I/II A/B
CEC / C(UL) Compliance:	CIC, TC

History

Update and Revision:	Revision Number: 0.318 Revision Date: 02-16-2021
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