



Product: <u>7421W</u> ☑

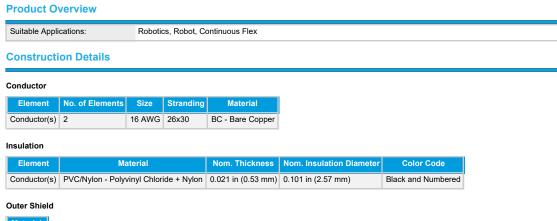
MachFlex™, 2+1G C #16 Str BC, PVC-NYL Ins, TPE Jkt, 1000V WTTC, 600V TC.

Request Sample
 Requ

Product Description

MachFlex™ for High Flex, 2+1G Conductor 16AWG (26x30) Bare Copper, PVC-NYL Insulation, TPE Outer Jacket, 1000V WTTC, 600V TC

Technical Specifications



Material No Shield

Outer Jacket

Separator	Waterial	NOIII. THICKHESS	Noill. Diameter
non-Woven Tap	TPE - Thermoplastic Elastomer	0.047 in (1.2 mm)	0.301 in
Overall Cable D	meter (Nominal): 0.301 in		

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
4.18 Ohm/1000ft	19 Amps per Conductor at 30°C

Voltage

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

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.
1.20 in (30.5 mm)	1.50 in
Max. Pull Tension:	8

Bulk Cable Weight:	46 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

Update and Revision: Revision Number: 0.372 Revision Date: 02-03-2025		Update and Revision:	Revision Number: 0.372 Revision Date: 02-03-2025
---	--	----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
7421W 060250	Chrome	Reel	250 ft	612825186144	С
7421W 0601000	Chrome	Reel	1,000 ft	612825186137	С

© 2025 Belden, Inc

All Rights Reserved

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.