



Part Number: 7421W

600V FCC Moderate Flex, (2) 16 AWG (26x30) BC, PVC-NYL/TPE, TC-ER

Product Description

Two 16 AWG stranded (26x30) bare copper conductors, PVC-Nylon insulation, TPE jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

Element	AWG	Stranding	Material	No. of Conductors
	16	26x30	BC - Bare Copper	2
No Ground				
Total Number of Conductors:				2

Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.015 in
Nylon	0.005 in

Color Chart 1:

Number	Color
Individually Numbered	Black

Stranding:

Lay Length
Yes mm

Outershield 1:

Material
Unshielded

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
TPE - Thermoplastic Elastomer	0.301 in	0.047 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
4 Ohm/1000ft

Use

Suitability - Oil Resistance:	Yes - Oil Res II
Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Flex Cycle Rating:	1 Million Flexes
Max Recommended Pulling Tension:	76 lbs

Safety

C(UL) Flammability:	FT4
IEEE Flammability:	1202
UL Flammability:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
Suitability - Non-Halogenated:	No

Temperature Range

Operating Temp Range:	-40°C To +90°C
Other Temp Range:	Flexing: -5°C To +90 °C
UL Temp Rating:	90°C (UL AWM Style 2587)

Mechanical Characteristics

Min Bend Radius (Continuous Flexing):	3 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
CSA AWM Specification:	CSA Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

History

Product Variants

Part Number	Color	Put-Up Type	Length
7421W 0601000	CHROME	Reel	1000 ft
7421W 060250	CHROME	Reel	250 ft

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