



**Part Number:** 7409W

600V FCC Moderate Flex, (2) 18 AWG (16x30) BC, PVC-NYL/TPE, TC-ER

## Product Description

Two 18 AWG stranded (16x30) bare copper conductors, PVC-Nylon insulation, TPE jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Conductors
18	16x30	BC - Bare Copper	2
<b>Total Number of Conductors:</b>			2

#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.022 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	0.264 in	0.04 in

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR
6.5 Ohm/1000ft

Min Insulation Resistance:	6.1 Megaohms/1,000 ft. minimum MOhm*1000ft
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### Voltage:

UL Voltage Rating
600 V RMS (UL AWM Style 2587)

## Use

Suitability - Oil Resistance:	Yes - Oil Res II
Suitability - Burial:	Yes
Suitability - Hazardous Locations:	Yes
Suitability - Sunlight Resistance:	Yes
Flex Cycle Rating:	1 Million Flexes
Max Recommended Pulling Tension:	50 lbs

## Safety

CSA Flammability:	FT4
IEEE Flammability:	1202
UL Flammability:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test

## 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):	4 in
Min Bend Radius/Minor Axis:	2.7 in

## 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
7409W 0601000	CHROME	Reel	1000 ft
7409W 060250	CHROME	Reel	250 ft
7409W 0605000	CHROME	Reel	5000 ft

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