



**Part Number:** 85102

Control/Instrumentation, (2) 16 AWG (19x29) TC, ETFE/ETFE

## Product Description

Two 16 AWG stranded (19x29) tinned copper conductors, Tefzel® (ETFE) insulation, Tefzel® (ETFE) jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Conductors
16	19x29	TC - Tinned Copper	2
<b>Total Number of Conductors:</b>			2

#### Insulation:

Material Trade Name	Nominal Wall Thickness
Tefzel®	0.014 in

#### Color Chart 1:

Number	Color
1	Black
2	White

#### Outersheild 1:

Material
Unshielded

### Outerjacket 1:

Material Trade Name	Nominal Diameter	Nominal Wall Thickness
Tefzel®	0.211 in	0.019 in

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR
4.76 Ohm/1000ft

### Capacitance:

Nom. Capacitance Conductor to Conductor
20 pF/ft

### Current:

Max. Recommended Current [A]
9.5 Amps per conductor @ 25°C

### Inductance:

Nominal Inductance
0.17 $\mu$ H/ft

### Voltage:

Non-UL Voltage Rating
300 V RMS

## Use

Max Recommended Pulling Tension:	61 lbs
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## Safety

UL Flammability:	VW-1
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## Temperature Range

Non-UL Temp Rating:	150°C
Operating Temp Range:	-60°C To +150°C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.25 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)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
Other Specification:	Other Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

Notes:	Tefzel is a trademark of Dupont.
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## Product Variants

Part Number	Color	Put-Up Type	Length
85102 3681000	CLEAR, TRANSPARENT	Reel	1000 ft
85102 368500	CLEAR, TRANSPARENT	Reel	500 ft

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