



**Part Number:** 8618

Audio/Control/Instrumentation, (3) 16 AWG (19X29) TC, PE/PVC, Foil Shld

## Product Description

Three 16 AWG stranded (19x29) tinned copper conductors, conductors cabled, polyethylene insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Conductors
16	19x29	TC - Tinned Copper	3
<b>Total Number of Conductors:</b>			3

#### Insulation:

Material	Nominal Wall Thickness
PE - Polyethylene	0.032 in

#### Color Chart 1:

Number	Color
1	Black
2	Red
3	Clear

#### Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	18	16x30 mm

### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.327 in	0.031 in

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR
4.8 Ohm/1000ft

### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
26 pF/ft	50 pF/ft

### Current:

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

### Voltage:

UL Description	UL Voltage Rating
AWM Style 2107	600 V RMS
CL3	300 V RMS

## Use

Max Recommended Pulling Tension:	110 lbs
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## Safety

UL Flammability:	UL1685 UL Loading
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## Temperature Range

Operating Temp Range:	-20°C To +80°C
UL Temp Rating:	80°C (UL AWM Style 20253)

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	3.5 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)
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
8618 0601000	CHROME	Reel	1000 ft
8618 0605000	CHROME	Reel	5000 ft
8618 060500	CHROME	Reel	500 ft
8618 060U500	CHROME	UnReel	500 ft

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