



REPRESENTATIVE IMAGE

**Product:** [8618](#)

Electronic, 3 C #16 Str TC, PE Ins, OS, PVC Jkt, CL3

[Request Sample](#)

## Product Description

Electronic, 3 Conductor 16AWG (19x29) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CL3

## Technical Specifications

### Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring
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### Construction Details

#### Conductor

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	3	16	19x29	TC - Tinned Copper

#### Insulation

Element	Material	Thickness	Color Code
Conductor(s)	PE - Polyethylene	0.032 in	Black, Red, Clear

#### Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (16x30) TC

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.031 in	0.327 in

Cable Diameter (Nominal):	0.327 in
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	4.8 Ohm/1000ft	26 pF/ft	50 pF/ft	7 Amps per Conductor at 25°C

#### Voltage

UL Voltage Rating
600 V (UL AWM 20253), 300 V (CL3)

### Mechanical Characteristics

#### Temperature

UL Rating	Operating
80°C (UL AWM 20253)	-20°C to +80°C

#### Bend Radius

Stationary Min.	Installation Min.
3.5 in	3.3 in

Max. Pull Tension:	110 lbs
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Bulk Cable Weight:	60 lbs/1000ft
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## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 UL Loading, IEC 60332-1-2
NEC / UL Compliance:	Article 725, CL3
AWM Compliance:	20253
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, 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: 0.357 Revision Date: 03-16-2021
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