



Product: [8618](#)

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

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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	Size	Stranding	Material
Conductor(s)	3	16 AWG	19x29	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PE - Polyethylene	0.032 in (0.81 mm)	Black, Red, Clear

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.031 in (0.79 mm)	0.327 in (8.31 mm)

Cable Diameter (Nominal):	0.327 in (8.31 mm)
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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 (16 Ohm/km)	26 pF/ft (85 pF/m)	50 pF/ft (160 pF/m)	7 Amps per Conductor at 25°C

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
3.3 in (84 mm)	3.3 in (84 mm)

Max. Pull Tension:	110 lbs
Bulk Cable Weight:	60 lbs/1000ft (89 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 UL Loading, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, CL3
AWM Compliance:	20253
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: 0.365 Revision Date: 10-27-2021
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Variants

Item #	Color	Putup Type	Length	UPC
8618 060500	Chrome	Reel	500 ft	612825213420
8618 060U500	Chrome	UnReel	500 ft	612825213406
8618 0601000	Chrome	Reel	1,000 ft	612825213413
8618 0605000	Chrome	Reel	5,000 ft	612825213437

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