

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	16 AWG	19x29	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene	0.032 in (0.81 mm)	0.122 in (3.10 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)

Overall Cable Diameter (Nominal):	0.327 in (8.31 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	4.44 Ohm/1000ft	26 pF/ft (85 pF/m)	50 pF/ft (160 pF/m)	16 Amps per Conductor at 30ºC

Voltage

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

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C to +80°C

Bend Radius

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

Max. Pull Tension:	141 lbs (64.0 kg)

Bulk Cable Weight:	60 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 UL loading , IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, CL3
AWM Compliance:	AWM 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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.523 Revision Date: 01-20-2023

Part Numbers

Variants

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

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