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Product: 9316

High Perform Instr, 1 Pr #16 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC-ER

Request Sample

Product Description

High Performance Instrumentation, 1 Pair 16AWG (19x29) Tinned Copper, PVC Insulation E2 Color Code, Overall Beldfoil® Shield, PVC Outer Jacket, PLTC-ER

Technical Specifications

Product Overview

Suitable Applications:	Instrumentation, Sensors, Valves, Positioners, 4-20mA, 0-10V

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	16 AWG	19x29	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	Black, Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (19x30) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.264 in (6.71 mm)	Yes

Overall Cable Diameter (Nominal):	0.264 in (6.71 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)
Pair(s)	4.2 Ohm/1000ft (14 Ohm/km)	68 pF/ft (220 pF/m)	121 pF/ft (397 pF/m)

Voltage

UL Voltage Rating
300 V (PLTC, CMG), 150 V (ITC)

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-30°C to +105°C

Table Notes:	AWM 80°C

Bend Radius

Stationary Min.	Installation Min.

2.6 in (66 mm)	2.6 in (66 mm)

Max. Pull Tension:	105 lbs (47.6 kg)
Bulk Cable Weight:	41 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4, FT4, T-29-520, IEEE 1202
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC-ER, PLTC-ER
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
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: 0.377 Revision Date: 02-08-2022

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
9316 060U500	Chrome	UnReel	500 ft	612825228356
9316 0601000	Chrome	Reel	1,000 ft	612825228363
9316 060U1000	Chrome	UnReel	1,000 ft	612825228349
9316 0605000	Chrome	Reel	5,000 ft	612825228387
9316 06010000	Chrome	Reel	10,000 ft	612825228370

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