Product: 9410

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

Request Sample

Product Description

High Performance Instrumentation, 1 Pair 16AWG (19x29) Tinned Copper, PVC Insulation E2 Color Code, PVC Outer Jacket, PLTC

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	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.0185 in (0.470 mm)	0.096 in (2.4 mm)	Black & Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.260 in (6.60 mm)	Yes

Overall Cable Diameter (Nominal):	0.260 in (6.60 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	4.5 Ohm/1000ft	31 pF/ft (100 pF/m)	6.2 Amps per conductor at 25°C

Voltage

UL Voltage Rating
300 V (PLTC, CMG)

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:	80 lbs (36 kg)
Bulk Cable Weight:	35 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1685 UL Loading, FT4, T-29-520, IEEE 1202
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC, PLTC
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: 0.537 Revision Date: 04-14-2023

Part Numbers

Variants

Item #	Color	UPC
9410 0601000	Chrome	612825240211
9410 0602500	Chrome	612825240228
9410 060U1000	Chrome	612825240198
9410 060U500	Chrome	612825240204