Belden



Product: 9411

High Perform Instr, 1 Pr #14 Str TC, PVC Ins E2, PVC Jkt, PLTC

Request Sample

Product Description

High Performance Instrumentation, 1 Pair 14AWG (42x30) 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	No. of Elements	Size	Stranding	Material
Pair(s)	1	14 AWG	42x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	0.119 in (3.02 mm)	Black & Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.042 in (1.1 mm)	0.322 in (8.18 mm)	Yes

Overall Cable Diameter (Nominal):	0.322 in (8.18 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
Pair(s)	2.8 Ohm/1000ft	27 pF/ft (89 pF/m)	0.18 µH/ft (0.59 µH/m)	8 Amps per conductor at 25°C

Voltage

UL Voltage Rating
300 V (PLTC)

Mechanical Characteristics

Temperature

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

Temperature Table Notes:	AWM 80°C

Bend Radius

Stationary Min.	Installation Min.
3.2 in (81 mm)	3.2 in (81 mm)

Max. Pull Tension:	107 lbs (48.5 kg)
Bulk Cable Weight:	54 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1685 UL Loading, T-29-520, IEEE 1202, FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 727, CL3R, ITC, PLTC
AWM Compliance:	AWM 2464
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: 0.594 Revision Date: 04-10-2026

Part Numbers

Variants

Item #	Color	UPC	Footnote
9411 0601000	Chrome	612825240242	C
9411 0602500	Chrome	612825240259	Z
9411 060U500	Chrome	612825240235	

Footnote:	C - CRATE REEL PUT-UP., Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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