Belden



Product: 9320

High Perform Instr, 1 Pr #20 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC

Request Sample

Product Description

High Performance Instrumentation, 1 Pair 20AWG (19x32) Tinned Copper, PVC Insulation E2 Color Code, Overall Beldfoil® Shield, 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	20 AWG	19x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.018 in (0.46 mm)	0.072 in (1.8 mm)	Black, Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (19x34) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.221 in (5.61 mm)

Overall Cable Diameter (Nominal):	0.221 in (5.61 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Nom. Inductance	Max. Current
Pair(s)	11.3 Ohm/1000ft	52 pF/ft (170 pF/m)	97 pF/ft (320 pF/m)	0.19 µH/ft (0.62 µH/m)	3.8 Amps per Conductor at 25ºC

Nom Outer Shield DCR:	11.32 Ohm/1000ft (37.14 Ohm/km)

Voltage

UL Voltage Rating
300 V (PLTC, CMG)

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.

2.2 in (56 mm)	2.2 in (56 mm)

Max. Pull Tension:	54 lbs (24 kg)
Bulk Cable Weight:	29 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
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.611 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
9320 0605000	Chrome			612825228936	Z
9320 060U1000	Chrome			612825228912	
9320 060U500	Chrome			612825228929	
9320 0601000	Chrome	Reel	1,000 ft	612825476894/612825476894	

Footnote:	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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