


**Product: [9318](#)**

High Perform Instr, 1 Pr #18 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC

[Request Sample](#)
**Product Description**

High Performance Instrumentation, 1 Pair 18AWG (19x30) 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	18 AWG	19x30	TC - Tinned Copper

**Insulation**

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.019 in (0.48 mm)	0.081 in (2.1 mm)	Black, Red

**Outer Shield**

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (19x32) TC

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.239 in (6.07 mm)	Yes

Overall Cable Diameter (Nominal): 0.239 in (6.07 mm)

**Electrical Characteristics**
**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Nom. Inductance	Max. Current
Pair(s)	7.2 Ohm/1000ft	54 pF/ft (180 pF/m)	100 pF/ft (330 pF/m)	0.17 $\mu$ H/ft (0.56 $\mu$ H/m)	5 Amps per Conductor at 25°C

Nom Outer Shield DCR: 8.18 Ohm/1000ft (26.8 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.
2.4 in (61 mm)	2.4 in (61 mm)
Max. Pull Tension:	89 lbs (40 kg)
Bulk Cable Weight:	32 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: 0.628 Revision Date: 09-07-2025

## Part Numbers

### Variants

Item #	Color	UPC	Footnote
9318 0601000	Chrome	612825228615	
9318 06010000	Chrome	612825228622	C Z
9318 06015000	Chrome	612825228639	C Y
9318 0605000	Chrome	612825228646	C Z
9318 060U1000	Chrome	612825228592	
9318 060U500	Chrome	612825228608	

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., Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.