



Product: [9331](#)

High Perform Instr, 6 Pr #22 Str TC, PVC Ins E2, IS, PVC Jkt, PLTC

Request Sample

Product Description

High Performance Instrumentation, 6 Pair 22AWG (7x30) Tinned Copper, PVC Insulation E2 Color Code, Individual Beldfoil® Shield, 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)	6	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.062 in (1.6 mm)	ICEA Chart E2

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC	each pair

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter	Ripcord
Cotton Serve	PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.457 in (11.6 mm)	Yes

Overall Cable Diameter (Nominal): 0.457 in (11.6 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Max. Current
Pair(s)	18.2 Ohm/1000ft	13.37 Ohm/1000ft (43.86 Ohm/km)	26 pF/ft (85 pF/m)	45 pF/ft (150 pF/m)	2.1 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.

4.6 in (120 mm) 4.6 in (120 mm)

Max. Pull Tension: 118 lbs (53.5 kg)

Bulk Cable Weight: 101 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: 0.565 Revision Date: 04-14-2023

Part Numbers

Variants

Item #	Color	UPC
9331 0601000	Chrome	612825230724
9331 060500	Chrome	612825230731

© 2023 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 "ASIS" 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.