Belden



Product: 9461

Electronic, 1 Pr #22 Str TC, PE Ins, OS, PVC Jkt, CM

Request Sample

Product Description

Electronic, 1 Pair 22AWG (7x30) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

Technical Specifications

Product Overview

Suitable Applications:	for use with automatic stripping equipments; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, …); line level audio; computer communication; panel wiring

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene	0.017 in (0.43 mm)	0.062 in (1.6 mm)	Black & Clear

Outer Shield

Shield Type	Material	Coverage	Drainwire Type	Notes
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC	Foil-In

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.026 in (0.66 mm)	0.180 in (4.57 mm)

Overall Cable Diameter (Nominal):	0.180 in (4.57 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Inductance	Max. Current
Pair(s)	16 Ohm/1000ft	24 pF/ft (79 pF/m)	47 pF/ft (150 pF/m)	64 Ohm	0.2 µH/ft (0.66 µH/m)	3 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V (CM), 300 V (UL AWM 2092)

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.

1.8 in (46 mm)	1.8 in (46 mm)

Max. Pull Tension:	27 lbs (12 kg)
Bulk Cable Weight:	20 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 UL loading , IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2092
CEC / C(UL) Compliance:	CM
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)

Product Notes

Notes:	Shield is bonded to jacket so both can be removed on automatic stripping equipment.

History

Update and Revision:	Revision Number: 0.535 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC
9461 0605000	Chrome	612825253419
9461 060U1000	Chrome	612825253396
9461 060U500	Chrome	612825253402

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