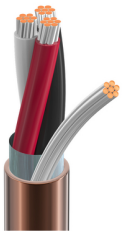
Belden



Product: 9770

Electronic, 3 C #22 Str TC, PP Ins, OS, PVC Jkt, CM

Request Sample

Product Description

Electronic, 3 Conductor 22AWG (7x30) Tinned Copper, PP Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, …); line level audio; voice communications; panel wiring

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.009 in (0.23 mm)	0.046 in (1.2 mm)	Black, Red, White

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	0.020 in (0.51 mm)	0.145 in (3.68 mm)

Overall Cable Diameter (Nominal):	0.145 in (3.68 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	16 Ohm/1000ft	32 pF/ft (100 pF/m)	60 pF/ft (200 pF/m)	3 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V (CM)

Mechanical Characteristics

Temperature

Operating
-20°C to +90°C

Bend Radius

Stationary Min.	Installation Min.
1.5 in (38 mm)	1.5 in (38 mm)

Max. Pull Tension:	36 lbs (16 kg)

Bulk Cable Weight:	16 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
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)

History

Update and Revision:	Revision Number: 0.539 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC	Footnote
9770 0011000	Brown	612825258407	C
9770 001500	Brown	612825258414	
9770 0015000	Brown	612825258421	
9770 001U1000	Brown	612825258384	
9770 001U500	Brown	612825258391	

Footnote:	C - CRATE REEL PUT-UP.

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