Belden



Product: 9154

Electronic, 2 C #20 Str TC, PVC Ins, OS, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 2 Conductor 20AWG (7x28) Tinned Copper, PVC Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CMG

Technical Specifications

Product Overview

Suitable Applications:	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
Conductor(s)	2	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.065 in (1.7 mm)	Black, Red

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.031 in (0.79 mm)	0.198 in (5.03 mm)

Overall Cable Diameter (Nominal):	0.198 in (5.03 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
Conductor(s)	9.5 Ohm/1000ft	60 pF/ft (200 pF/m)	100 pF/ft (330 pF/m)	36 Ohm	0.18 µH/ft (0.59 µH/m)	4 Amps per Conductor at 25ºC

Nom Outer Shield DCR:	11.4 Ohm/1000ft (37.4 Ohm/km)

Voltage

UL Voltage Rating
300 V (CMG), 300 V (UL AWM 2464)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C to +80°C

Bend Radius

Stationary Min.	Installation Min.

2.0 in (51 mm)	2.0 in (51 mm)

Max. Pull Tension:	34 lbs (15 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 FT4 Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
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: 0.532 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9154 290500	Beige, Light	Reel	500 ft	612825224778	C
9154 290U500	Beige, Light	UnReel	500 ft	612825224754	
9154 2901000	Beige, Light	Reel	1,000 ft	612825224761	C
9154 290U1000	Beige, Light	UnReel	1,000 ft	612825224747	
9154 2905000	Beige, Light	Reel	5,000 ft	612825224785	

Footnote:	C - CRATE REEL PUT-UP.

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