



Product: [9155](#)

Audio & Instrumentation, 1pr 20 AWG Shielded, 2c 18 AWG, TC, CM



Product Description

1 Pair 20 AWG stranded (7x28), Beldfoil® shield; 2 conductors 18 AWG stranded (19x30) TC conductors, polyethylene insulation, 22 AWG stranded TC drain wire, CM PVC jacket.

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
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	20 AWG	7x28	TC - Tinned Copper
Conductor(s)	2	18 AWG	19x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene	0.021 in (0.53 mm)	0.078 in (2.0 mm)	Black & Red
Conductor(s)	PE - Polyethylene	0.021 in (0.53 mm)	0.085 in (2.2 mm)	Green, White

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC
Conductor(s)	No Shield			

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.031 in (0.79 mm)	0.262 in (6.65 mm)

Overall Cable Diameter (Nominal):	0.262 in (6.65 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	10.5 Ohm/1000ft	24 pF/ft (79 pF/m)	46 pF/ft (150 pF/m)	66 Ohm	66%	7 Amps per Conductor at 25°C (20 AWG); 9 Amps per Conductor at 25°C (18 AWG)
Conductor(s)	6.6 Ohm/1000ft (22 Ohm/km)	22 pF/ft (72 pF/m)			66%	9 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V (CM, UL AWM 2094)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.6 in (66 mm)	2.6 in (66 mm)

Max. Pull Tension:	70 lbs (32 kg)
Bulk Cable Weight:	45 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 2094
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: 0.508 Revision Date: 12-22-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9155 290500	Beige, Light	Reel	500 ft	612825224846	C
9155 2901000	Beige, Light	Reel	1,000 ft	612825224839	C
9155 290U1000	Beige, Light	UnReel	1,000 ft	612825388142	
9155 2905000	Beige, Light	Reel	5,000 ft	612825224815	C

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