

Product: [9155](#) 

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



Product Description

1 Pair 20 AWG stranded (7x28), Beldfoil® shield; 2 conductorsr 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	Number of Element	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	Color Code
Pair(s)	PE - Polyethylene	0.021 in (0.53 mm)	Black & Red
Conductor(s)	PE - Polyethylene	0.021 in (0.53 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)

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 Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	10.5 Ohm/1000ft (34.4 Ohm/km)	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 (UL AWM 2094)	-20°C to +60°C

Bend Radius

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

Max. Pull Tension:	69.6 lbs
Bulk Cable Weight:	45 lbs/1000ft (67 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum)
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 UL Loading, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.351 Revision Date: 10-27-2021
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Variants

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

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