

**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	Number of Element	AWG	Stranding	Material
Pair(s)	1	20	7x28	TC - Tinned Copper
Conductor(s)	2	18	19x30	TC - Tinned Copper

#### Insulation

Element	Material	Thickness [in.]	Color Code
Pair(s)	PE - Polyethylene	0.021	Black & Red
Conductor(s)	PE - Polyethylene	0.021	Green, White

#### Inner Shield Material

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

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.031 in	0.262 in

Cable Diameter (Nominal):	0.262 in
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	10.5 Ohm/1000ft	24 pF/ft	46 pF/ft	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 pF/ft			66%	9 Amps per conductor @ 25°C

#### Voltage

<b>UL Voltage Rating</b>
300 V (CM, UL AWM 2094)

### Mechanical Characteristics

#### Temperature

<b>UL Rating</b>	<b>Operating</b>
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60°C (UL AWM 2094) -20°C to +60°C

#### Bend Radius

Stationary Min.	Installation Min.
2.75 in	2.6 in

Max. Pull Tension:	69.6 lbs
Bulk Cable Weight:	45 lbs/1000ft

#### Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum)
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 UL Loading, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	2094
CEC / C(UL) Compliance:	CM
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

#### History

Update and Revision:	Revision Number: 0.322 Revision Date: 07-31-2020
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