

**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	0.020	Black & Red
Conductor(s)	PE - Polyethylene	0.020	Green, White

#### Inner Shield Material

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

#### Outer Jacket Material

Material	Thickness	Diameter
PVC - Polyvinyl Chloride	0.031 in	0.262 in

### 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)
	6.6 Ohm/1000ft	22 pF/ft			66%	9 Amps per conductor @ 25°C

#### Voltage

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

### Mechanical Characteristics

#### Temperature

UL Rating	Operating
60°C (UL AWM 2094)	-20°C to +60°C

## Bend Radius

### Stationary Min.

2.75 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: 0.300 Revision Date: 06-09-2020

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