BELDEN

Product: 8763

Audio, Control and Instrumentation, 1 Pair 20 AWG, Shielded; 1 Conductor 20 AWG Unshielded

Product Description

1 Pair 20 AWG, 1 Conductor 20 AWG, stranded (7x28) TC, polyethylene insulation, conductors cabled, Beldfoil® shield as noted (100% coverage), 20 AWG stranded TC drain wire, 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

Construction Details

Conductor

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

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene	0.014 in (0.36 mm)	0.066 in (1.7 mm)	Shielded: Black & Red
Conductor(s)	PE - Polyethylene	0.014 in (0.36 mm)	0.066 in (1.7 mm)	Unshielded: Clear

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC
Conductor(s)	No Shield			

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.0275 in (0.699 mm)	0.21 in

Overall Cable Diameter (Nominal):	0.21 in.

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
Pair(s)	9.1 Ohm/1000ft		26 pF/ft (85 pF/m)	48 pF/ft (160 pF/m)	62 Ohm	3.9 Amps per Conductor at 25ºC
Conductor(s)	9.1 Ohm/1000ft (30 Ohm/km)	7.52 Ohm/1000ft (24.7 Ohm/km)				3.9 Amps per Conductor at 25ºC

Voltage

Voltage Rating
350 V

Mechanical Characteristics

Temperature

Operating
-30°C To +90°C

Bend Radius

Stationary Min.	Installation Min.
2.1 in (53 mm)	2.1 in

Max. Pull Tension:	50 lbs (23 kg)
Bulk Cable Weight:	25 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Sunlight Resistance
CPR Compliance:	CPR Euroclass: Eca
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)

Product Notes

Notes:	Beldfoil shield is over Red and Black pair only. Clear conductor is unshielded.

History

Update and Revision:	Revision Number: 0.361 Revision Date: 05-31-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8763 0601000	Chrome	Reel	1,000 ft	612825216193	C

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