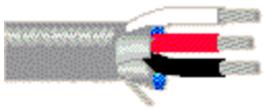
BELDEN
SENDING ALL THE RIGHT SIGNALS

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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
20	7x28	TC - Tinned Copper		1
			1	

Conductor Count:	3

Insulation

Material	Nominal Diameter
PE - Polyethylene	0.066 in

Color Chart

Number	Color
1	Shielded: Black & Red
2	Unshielded: Clear

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil® (Z-Fold®)	100%	TC - Tinned Copper	20	Stranded

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.21 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
9.1 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
26 pF/ft	48 pF/ft

Impedance

Nominal Characteristic Impedance
62 Ohm

Current

Max. Recommended Current [A]
3.9 Amps per Conductor at 25ºC

Voltage

Non-UL Voltage Rating
300

Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	25 lbs/1000ft
Max. Pull Tension:	42 lbs
Min Bend Radius/Minor Axis:	2.25 in

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

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

Footnote:	C - CRATE REEL PUT-UP.

Product Notes

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

History

Update and Revision:	Revision Number: 0.272 Revision Date: 06-08-2020

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