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please call

1-800-Belden1



## General Description:

20 AWG solid .032" (.81mm) silver-plated copper conductor(s), gas-injected FHDPE insulation, Beldfoil® + tinned copper braid shield (85% coverage), overall PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
6	20	Solid	SPC - Silver Plated Copper	0.8128

Total Number of Conductors: 6

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	3.7592

### Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	85

### Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	5.969

### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Nominal Diameter: 19.609 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

Bulk Cable Weight: 372.050 Kg/Km

Max. Recommended Pulling Tension: 1601.352 N

Min. Bend Radius (Each Coax): 63.500 mm

Min. Bend Radius (Overall): 203.200 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	Telcordia Specification GR-139-CORE

### Flame Test

UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4

### Suitability

Suitability - Indoor:	Yes
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)	75
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### Nom. Inductance:

Inductance (µH/m)	0.318257
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### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)	55.1208
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### Nominal Velocity of Propagation:

VP (%)	80
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### Nominal Delay:

Delay (ns/m)	4.16687
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### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	32.81
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### Nom. Inner Shield DC Resistance:

Description	DCR @ 20°C (Ohm/km)	7.8744
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### Max. Operating Voltage - UL:

Voltage	300 V RMS
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**Other Electrical Characteristic 1:** Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 OHM fixed bridge and termination

**Other Electrical Characteristic 2:** RL tested in accordance with ASTM D-4566 paragraph 45.3, using a 75 OHM fixed bridge and termination.

**Other Electrical Characteristic 3:** 100% Sweep tested

**Minimum Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		15	95	30

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
734D6 0081000	1,000 FT	290.000 LB	GRAY	C	6 #20 GIFHDLDPPE SH PVC FRPVC
734D6 008500	500 FT	141.000 LB	GRAY	C	6 #20 GIFHDLDPPE SH PVC FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

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