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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 jackets. PVC insulated tracer wire in Siamese configuration as a third parallel member.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
2	20	Solid	SPC - Silver Plated Copper	.032

Total Number of Conductors: 3

### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.148

### Tracer

Tracer AWG: 22

Tracer Diameter: .074

Tracer Material: TC - Tinned Copper

### Outer Shield

Outer Shield Material:

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

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 0.235 x 0.574 in.

## Mechanical Characteristics (Overall)

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

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 68 lbs/1000 ft.

Max. Recommended Pulling Tension: 120 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

## 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: No

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

**Nom. Inductance:**

Inductance (µH/ft)
.097

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
16.8

**Nominal Velocity of Propagation:**

VP (%)
80

**Nominal Delay:**

Delay (ns/ft)
1.27

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
10

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
2.4

**Max. Operating Voltage - UL:**

Voltage
300 V RMS

Other Electrical Characteristic 1:	Impedance test 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

**Sweep Test**

Sweep Testing:	100% Sweep Tested 15 - 95 MHz
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**Notes (Overall)**

**Notes:** Siamese versions feature zip cord design with printing on one leg. (2) of these coax Siamese bonded in parallel.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
734D2T 0081000	1,000 FT	68.000 LB	GRAY	C	2 #20 GIFHDLDPPE SH + 1 #22 PVC
734D2T 008500	500 FT	35.000 LB	GRAY	C	2 #20 GIFHDLDPPE SH + 1 #22 PVC

**Notes:**  
C = CRATE REEL PUT-UP.

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