

## 734D1 Coax - 734D Series

For more Information  
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. (in.)
1	20	Solid	SPC - Silver Plated Copper	.032

Total Number of Conductors: 1

**Insulation****Insulation Material:**

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

**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 in.

**Mechanical Characteristics (Overall)**

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

Bulk Cable Weight: 31 lbs/1000 ft.

Max. Recommended Pulling Tension: 60 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
Suitability - Outdoor:	Yes
Suitability - Burial:	No

**Plenum/Non-Plenum**

Plenum (Y/N):	No
Plenum Number:	734D1P

**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 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
734D1 0081000	1,000 FT	35.000 LB	GRAY	C	#20 GIFHDLDP SH PVC
734D1 008500	500 FT	17.000 LB	GRAY		#20 GIFHDLDP SH PVC

**Notes:**

C = CRATE REEL PUT-UP.

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