

## 734D1T 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. PVC insulated tracer wire in Siamese (Figure 8) configuration.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	SPC - Silver Plated Copper	.032

Total Number of Conductors: 2

**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 0.309 in.

**Mechanical Characteristics (Overall)**

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

Bulk Cable Weight: 34 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

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

## 734D1T Coax - 734D Series

CA Prop 65 (CJ for Wire & Cable):	Yes
MIL 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 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)
		5	95	30

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
734D1T 0081000	1,000 FT	38.000 LB	GRAY	C	#20 GIFHDLDP SH PVC DUAL
734D1T 008500	500 FT	18.500 LB	GRAY	C	#20 GIFHDLDP SH PVC DUAL

#### Notes:

C = CRATE REEL PUT-UP.

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