

## 734D2 Coax - 734D Series

For more Information  
please call

1-800-Belden1



### 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. (2) of these coax Siamese bonded in parallel.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

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

#### 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 x 0.485 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: 61 lbs/1000 ft.

Max. Recommended Pulling Tension: 120 lbs.

Min. Bend Radius (Install)/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 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
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## 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.

### Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	95	30

## Sweep Test

**Sweep Testing:** 100% Sweep Tested 15 - 95 MHz

## Notes (Overall)

**Notes:** Siamese versions feature zip cord design with printing on one leg.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
734D2 0081000	1,000 FT	66.000 LB	GRAY	C	#20 GIFHLDPE SH PVC DUAL
734D2 008500	500 FT	35.500 LB	GRAY		#20 GIFHLDPE SH PVC DUAL

**Notes:**

C = CRATE REEL PUT-UP.

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