

## 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                                 |
| 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 |
|-----------------------|-----|

**Plenum/Non-Plenum**

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

**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 GIFHDLDPPE SH PVC DUAL |
| 734D1T 008500  | 500 FT   | 18.500 LB   | GRAY  | C     | #20 GIFHDLDPPE SH PVC DUAL |

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 08-15-2012

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