

## 734D2 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 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       |

Total Number of Conductors: 2

**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/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 |
|----------------|-----------------------|

**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.

**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.

**Put Ups and Colors:**

| Item #        | Putup    | Ship Weight | Color | Notes | Item Desc                  |
|---------------|----------|-------------|-------|-------|----------------------------|
| 734D2 0081000 | 1,000 FT | 63.000 LB   | GRAY  | C     | #20 GIFHDLDPPE SH PVC DUAL |
| 734D2 008500  | 500 FT   | 34.500 LB   | GRAY  |       | #20 GIFHDLDPPE SH PVC DUAL |

**Notes:**

C = CRATE REEL PUT-UP.

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