

734D2T 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. PVC insulated tracer wire in Siamese configuration as a third parallel member.

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

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 0.574 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: 68 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
C(UL) 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 test 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)
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		15	95	30
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Sweep Test

Sweep Testing: 100% Sweep Tested 15 - 95 MHz

Notes (Overall)

Notes: Siamese versions feature zip cord design with printing on one leg. (2) of these coax Siamese bonded in parallel.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
734D2T 0081000	1,000 FT	73.000 LB	GRAY	C	2 #20 GIFHDLDP SH + 1 #22 PVC
734D2T 008500	500 FT	37.500 LB	GRAY	C	2 #20 GIFHDLDP SH + 1 #22 PVC

Notes:

C = CRATE REEL PUT-UP.

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