


**Product:** [734D2T](#) 



DS-3 and DS-4, 734D Series, 2 Coax 20 AWG SPCCS, Siamese Tracer, CMR/CMG

## Product Description

734D Series, Dual Coax 20 AWG solid .032" (.81mm) silver-plated copper covered steel conductor(s), gas-injected FHDPE insulation, Beldfoil® + tinned copper braid shield (85% coverage), CMR rated, individual PVC jacket. PVC insulated tracer wire in Siamese configuration as a third parallel member.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	SCCS - Silvered Copper Covered Steel	0.032 in	2

Conductor Count:	3
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#### Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.148 in

Table Notes:	Gas Injected
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#### Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%
Braid	2	Tinned Copper (TC)		85%

#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	.235 x .574 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
10 Ohm/1000ft	2.4 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
16.8 pF/ft

#### Inductance

Nominal Inductance
0.097 µH/ft

#### Impedance

Nominal Characteristic Impedance
75 Ohm

#### Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
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15 - 95 MHz	30 dB
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#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.27 ns/ft	80%

#### High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
1.024 MHz	0.28 dB/100ft
4.224 MHz	0.55 dB/100ft
17.184 MHz	1.08 dB/100ft
22.368 MHz	1.23 dB/100ft
25.920 MHz	1.33 dB/100ft
69.632 MHz	2.19 dB/100ft
77.760 MHz	2.31 dB/100ft
137.088 MHz	3.10 dB/100ft

#### Voltage

UL Voltage Rating
300 V RMS

Electrical Characteristics Notes:	Return Loss: Fixed bridge and termination
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#### Temperature Range

Non-UL Temp Rating:	75°C
UL Temp Rating:	60°C
Operating Temp Range:	-30°C To +75°C

#### Mechanical Characteristics

Bulk Cable Weight:	61 lbs/1000ft
Max. Pull Tension:	88 lbs
Min Bend Radius/Minor Axis:	2.4 in

#### Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
RG Type:	59/U Type
Other Compliance:	Telcordia Specification GR-139-CORE

#### Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
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#### Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

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### Variants

Item #	Color	Putup Type	Length	UPC
734D2T 008500	Gray	Reel	500 ft	612825184515
734D2T 0081000	Gray	Reel	1,000 ft	612825184508

Footnote:	C - CRATE REEL PUT-UP.
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### History

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Update and Revision:	Revision Number: 0.142 Revision Date: 09-30-2020
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