
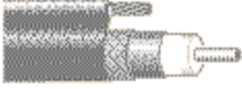


**Product:** [734D1T](#) 



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

### Product Description

734D Series, 20 AWG solid .032" (.81mm) silver-plated copper covered steel conductor, gas-injected FHDPE insulation, Beldfoil® + tinned copper braid shield (85% coverage), CMR rated, overall PVC jacket. PVC insulated tracer wire in Siamese (Figure 8) configuration.

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	SCCS - Silvered Copper Covered Steel	0.032 in	1

Conductor Count:	2
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##### Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.148 in

Table Notes:	Gas Injected
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##### Outer 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	0.235 x 0.309 in

#### Electrical Characteristics

##### Conductor DCR

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

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

#### Mechanical Characteristics

Bulk Cable Weight:	33 lbs/1000ft
Max. Pull Tension:	47 lbs
Min Bend Radius/Minor Axis:	2.4 in

#### Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
RG Type:	58/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, LSOH, 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

## Variants

Item #	Color	Putup Type	Length	UPC
734D1T 008500	Gray	Reel	500 ft	612825184461
734D1T 0081000	Gray	Reel	1,000 ft	612825184430

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision: Revision Number: 0.144 Revision Date: 09-30-2020

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