


**Product:** [734D2](#) 



DS-3 and DS-4, 734D Series, #20-2 SPC Coax, CMR/CMG

### Product 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.

### 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:	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	0.485 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
10 Ohm/1000ft	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)

15-95 MHz	30 dB
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#### Delay

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

#### Voltage

UL Voltage Rating
300 V RMS

#### Temperature Range

Non-UL Temp Rating:	75°C
UL Temp Rating:	60°C
Operating Temp Range:	-40°C To +75°C

#### Mechanical Characteristics

Bulk Cable Weight:	61 lbs/1000ft
Max. Pull Tension:	120 lbs
Min. Bend Radius/Minor Axis:	2.5 in

#### Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
RG Type:	59
Other Specification:	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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Burial:	No
Suitability - Indoor:	Yes

#### 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
734D2 008500	Gray	Reel	500 ft	612825184492
734D2 0081000	Gray	Reel	1,000 ft	612825184478
734D2 0084000	Gray	Reel	4,000 ft	612825184485

Footnote:	C - CRATE REEL PUT-UP.
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#### Product Notes

Notes:	Overall Nominal Diameter: 0.235 x 0.485 in. Siamese versions feature zip cord design with printing on one leg.
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## History

Update and Revision:	Revision Number: 0.288 Revision Date: 06-18-2021
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