


Product: [734D1](#) 

DS-3 and DS-4, 734D Series, #20-1 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 jacket.

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:	1
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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 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)
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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%

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	-40°C To +75°C
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Mechanical Characteristics

Bulk Cable Weight:	31 lbs/1000ft
Max. Pull Tension:	60 lbs
Min Bend Radius/Minor Axis:	2.5 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 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
Plenum Number:	734D1P

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
734D1 008500	Gray	Reel	500 ft	612825184447
734D1 0081000	Gray	Reel	1,000 ft	612825184393

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.278 Revision Date: 09-30-2020
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