


Product: [734D2](#) 



DS3/DS4 Central Office Coax, 2 x RG-59 bonded in parallel, 20 AWG Solid SCCS, Foil + 85% TC Braids, PVC Outer Jkt, CMR

Product Description

DS3/DS4 Central Office Coax, 2 Coaxes bonded in parallel, RG-59, 20 AWG Solid Silvered Copper Covered Steel Conductor, PE Insulation, Foil + 85% Tinned Copper Braid Shields, PVC Outer Jackets CMR

Technical Specifications

Product Overview

Suitable Applications:	Central office wiring, DS3/DS4 interconnect, 734/735 telecommunications systems, switchboard communications
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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

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

Outer Jacket

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

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
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	Put-Up 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: 0.330 Revision Date: 12-15-2021
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