

Product: [734D1P](#) 

DS-3 and DS-4, 734D Series, #20-1 SPC Coax, CMP



Product Description

20 AWG solid .032" (.81mm) silver-plated copper conductor(s), foam, foam FEP insulation, Beldfoil® + tinned copper braid shield (85% coverage), Flamarrest® 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
FEP - Fluorinated Ethylene Propylene (Foam)	0.148 in

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Alum / Poly	Beldfoil®	100 %
Braid	2	TC - Tinned Copper		85 %

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.215 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
17.3 pF/ft

Inductance

Nominal Inductance
0.095 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]
15-95 MHz

Delay

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

High Freq

Min. RL (Return Loss) [dB]
30 dB

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	0°C To +75°C
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Mechanical Characteristics

Bulk Cable Weight:	32 lbs/1000ft
Max Recommended Pulling Tension:	52 lbs
Min Bend Radius/Minor Axis:	2 in

Standards

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

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
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):	2005-04-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	No
Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	734D1
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Variants

Item #	Color	Putup Type	Length	UPC
734D1P 008500	Gray	Reel	500 ft	612825184423
734D1P 0081000	Gray	Reel	1,000 ft	612825184416

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.144 Revision Date: 04-02-2020
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