

**Part Number: 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**

**Product Overview**

Environmental Space:	Indoor - Riser
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**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	SPCCS - Silver Plated Copper Covered Steel	0.032 in	1

Conductor Count:	1
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**Insulation**

Material	Nominal Diameter
Gas-injected FHDPE - Foam High Density Polyethylene	0.148 in

**Outer Shield Material**

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester	Beldfoil®	100 %
Braid	2	TC - Tinned Copper		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**

<b>Nom. Capacitance Conductor to Shield</b>
16.8 pF/ft

**Inductance**

<b>Nominal Inductance</b>
0.097 µH/ft

**Impedance**

<b>Nominal Characteristic Impedance</b>
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

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

Bulk Cable Weight:	31 lbs/1000ft
Max Recommended Pulling Tension:	60 lbs
Min Bend Radius/Minor Axis:	2.5 in

## Standards

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

## Applicable Environmental and Other Programs

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Burial:	No
Suitability - Indoor:	Yes

## Flammability, LS0H, 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	UPC	Length	Footnote
734D1 0081000	Gray	612825184393	1,000 ft	C
734D1 008500	Gray	612825184447	500 ft	

Footnote:	C - CRATE REEL PUT-UP.
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## History

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