



**Product:** [734A12](#)

DS3/DS4 Central Office Coax, 12 x RG-59, 20 AWG Solid BC, Foil + 85% TC Braids, PVC Inner & Outer Jkts, CMR

### Product Description

DS3/DS4 Central Office Coax, 12 Coaxes, RG-59, 20 AWG Solid Bare Copper Conductor, PE Insulation, Foil + 85% Tinned Copper Braid Shields, PVC Inner and 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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#### Construction Details

RG Type:	59
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#### Conductor

AWG	Stranding	Nom. Diameter	Material
20	Solid	0.032 in	BC - Bare Copper

#### Insulation

Material	Nom. Diameter
PE - Polyethylene (Foam)	0.148 in

#### Inner Shield Material

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

#### Inner Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.235 in

Table Notes:	Each jacket gray and numbered
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#### Outer Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	1.026 in

#### Electrical Characteristics

##### Return Loss (RL)

Frequency [MHz]	Min. Return Loss [dB]
15 - 95 MHz	30 dB

##### Attenuation

Frequency	Max. Attenuation [dB/100ft]
5 MHz	0.6 dB/100ft
10 MHz	0.8 dB/100ft
22.5 MHz	1.3 dB/100ft
50 MHz	1.8 dB/100ft
100 MHz	2.8 dB/100ft

200 MHz	4.0 dB/100ft
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#### Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedence	Nom. Velocity
10 Ohm/1000ft	2.4 Ohm/1000ft	16.8 pF/ft	75 Ohm	80%

#### Voltage

<b>UL Voltage Rating</b>
300 V (CMR, CMG)

## Mechanical Characteristics

#### Temperature

<b>Operating</b>
-30°C to +75°C

#### Bend Radius

<b>Installation Min.</b>
1.0 in

Bulk Cable Weight:	436 lbs/1000ft
Max. Pull Tension:	485 lbs

## Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1666 Vertical Shaft, FT4
NEC / UL Compliance:	CMR
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	Telcordia Specification GR-139-CORE

## History

Update and Revision:	Revision Number: 0.319 Revision Date: 09-30-2020
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