


**Product:** [734C12](#) 



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

**Product Description**

DS3/DS4 Central Office Coax, 12 Coaxes, RG-59, 20 AWG Solid Silvered 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	SC - Silvered 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	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	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	1.07 in

**Electrical Characteristics**

**Return Loss (RL)**

Frequency [MHz]	Min. Return Loss [dB]
5 - 150 MHz	32 dB

**Attenuation**

Frequency	Max. Attenuation [dB/100ft]
1 MHz	0.28 dB/100ft
5 MHz	0.59 dB/100ft
10 MHz	0.8 dB/100ft
22.5 MHz	1.18 dB/100ft
50 MHz	1.82 dB/100ft

100 MHz	2.6 dB/100ft
150 MHz	3.22 dB/100ft

#### 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>
-20°C to +75°C

#### Bend Radius

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

Bulk Cable Weight:	451 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
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: 0.183 Revision Date: 09-30-2020
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