



**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

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

Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene (Foam)	0.148 in (3.76 mm)

Inner Shield

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

Inner Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.235 in (5.97 mm)

Table Notes:	Each jacket gray and numbered
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Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	1.07 in (27.2 mm)

Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
15 - 95 MHz	30 dB

Attenuation

Frequency	Max. Attenuation
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. Characteristic Impedance	Nom. Velocity of Prop.
10 Ohm/1000ft (33 Ohm/km)	2.4 Ohm/1000ft (7.9 Ohm/km)	16.8 pF/ft (55.1 pF/m)	75 Ohm	82%

Voltage

UL Voltage Rating
300 V (CMR, CMG)

Mechanical Characteristics

Temperature

Operating
-30°C to +75°C

Bend Radius

Installation Min.
1.0 in (25 mm)

Max. Pull Tension:	485 lbs (220 kg)
Bulk Cable Weight:	436 lbs/1000ft (649 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1666 Vertical Shaft
NEC / UL Compliance:	CMR
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), 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: 0.420 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
734A12 008500	Gray	Reel	500 ft	612825184140
734A12 0081000	Gray	Reel	1,000 ft	612825184171

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