


**Product:** [735A12](#) 



DS3/DS4 Central Office Coax, 12 x Sub-miniature RG-59, 26 AWG Solid SC, Foil + 95% TC Braids, PVC Inner & Outer Jkts, CMR

### Product Description

DS3/DS4 Central Office Coax, 12 Coaxes, Sub-miniature RG-59, 26 AWG Solid Silvered Copper Conductor, PE Insulation, Foil + 95% 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
------------------------	---

#### Construction Details

RG Type:	Sub-miniature 59
----------	------------------

#### Conductor

AWG	Stranding	Nom. Diameter	Material
26	Solid	0.016 in	SC - Silvered Copper

#### Insulation

Material	Nom. Diameter
PE - Polyethylene (Foam)	0.077 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)		95%

#### Inner Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.129 in

Table Notes:	Each jacket gray and numbered
--------------	-------------------------------

#### Outer Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.581 in

#### Electrical Characteristics

##### Return Loss (RL)

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

##### Attenuation

Frequency	Max. Attenuation [dB/100ft]
1 MHz	0.6 dB/100ft
1.024 MHz	0.61 dB/100ft
4.224 MHz	1.1 dB/100ft
5 MHz	1.2 dB/100ft
10 MHz	1.7 dB/100ft

17.184 MHz	2.2 dB/100ft
22.368 MHz	2.5 dB/100ft
25.92 MHz	2.7 dB/100ft
44.736 MHz	3.6 dB/100ft
50 MHz	3.8 dB/100ft
69.632 MHz	4.5 dB/100ft
77.76 MHz	4.8 dB/100ft
100 MHz	5.5 dB/100ft
137.088 MHz	6.4 dB/100ft
200 MHz	7.8 dB/100ft

#### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedence	Nom. Velocity
41 Ohm/1000ft	17.7 pF/ft	75 Ohm	76%

#### 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>
5.8 in

Bulk Cable Weight:	185 lbs/1000ft
Max. Pull Tension:	220 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: 0.331 Revision Date: 09-30-2020
----------------------	--

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.