



Product: [735C12](#)



DS3/DS4 Central Office Coax, 12 x Sub-miniature RG-59, 25H 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, 25H AWG Solid Silvered Copper Conductor, PE Insulation, Foil + 95% Tinned Copper Braid Shield, 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

Size	Stranding	Nom. Diameter	Material
25 AWG	Solid	0.017 in	SC - Silvered Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	0.077 in (2.0 mm)	White

Inner Shield

Layer	Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
2	Braid	Tinned Copper (TC)		95%

Inner Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.134 in (3.40 mm)

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

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.608 in (15.4 mm)

Overall Cable Diameter (Nominal):	0.608 in (15.4 mm)
-----------------------------------	--------------------

Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
5 - 150 MHz	32 dB

Attenuation

Frequency	Max. Attenuation
1 MHz	0.5 dB/100ft
5 MHz	1.1 dB/100ft
10 MHz	1.5 dB/100ft
22.5 MHz	2.3 dB/100ft

50 MHz	3.4 dB/100ft
100 MHz	4.99 dB/100ft
150 MHz	6 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
36.3 Ohm/1000ft	17.7 pF/ft (58.1 pF/m)	75 Ohm	79%

Voltage

UL Voltage Rating
300 V (CMR, CMG)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-40°C to +75°C

Bend Radius

Installation Min.
6.1 in (150 mm)

Max. Pull Tension:	288 lbs (131 kg)
Bulk Cable Weight:	204 lbs/1000ft

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: 0.218 Revision Date: 04-13-2023
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
735C12 0081000	Gray	Reel	1,000 ft	612825184928
735C12 0082000	Gray	Reel	2,000 ft	612825184935

© 2023 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.