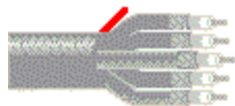


Product: [735C6](#) 



DS3/DS4 Central Office Coax, 6 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, 6 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
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Nom. Diameter	Material
Coax(es)	6	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)	Duobond®	100%
2	Braid	Tinned Copper (TC)		95%

Inner Shield Table Notes:	Tape bonded to dielectric
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Inner Jacket

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

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.445 in (11.3 mm)

Outer Jacket1 Table Notes:	Polyster Tape
Overall Cable Diameter (Nominal):	0.445 in (11.3 mm)

Electrical Characteristics

Return Loss

Frequency	Min. Return Loss
5-150 MHz	32 dB

Attenuation

Frequency	Max. Attenuation
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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. Inner Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
37.74 Ohm/1000ft (123.8 Ohm/km)	5.4 Ohm/1000ft (18 Ohm/km)	17.7 pF/ft (58.1 pF/m)	75 Ohm	79%

Voltage

UL Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
4.45 in (113 mm)	4.45 in (113 mm)

Max. Pull Tension:	216 lbs (98.0 kg)
Bulk Cable Weight:	100 lbs/1000ft (150 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, FT4
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG.
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.200 Revision Date: 04-02-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
735C6 0081000	Gray	Reel	1,000 ft	612825185000	
735C6 0082000	Gray	Reel	2,000 ft	612825185024	C

Footnote:	C - CRATE REEL PUT-UP.
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