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)

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

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