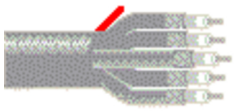
Product: 735A24



DS3/DS4 Central Office Coax, 24 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, 24 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

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
24	26 AWG	Solid	0.0165 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	Bi-Laminate (Alum+Poly)	Beldfoil®	100%
2	Braid	Tinned Copper (TC)		95%

Table Notes:	Separator - Polyester Tape

Inner Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.129 in (3.28 mm)

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.87 in (22 mm)

Overall Cable Diameter (Nominal):	0.87 in (22 mm)

Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
15 -95 MHz	30 dB

Attenuation

Frequency	Max. Attenuation
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. Inner Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
41 Ohm/1000ft (130 Ohm/km)	5.3 Ohm/1000ft (17 Ohm/km)	17.7 pF/ft (58.1 pF/m)	75 Ohm	76%

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.
8.75 in (222 mm)	8.75 in (222 mm)

Max. Pull Tension:	600 lbs (270 kg)
Bulk Cable Weight:	389 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL1666 Vertical Shaft, 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: 0.445 Revision Date: 05-01-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
735A24 0081000	Gray	Reel	1,000 ft	612825184799	C

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