



Product: [734A1P](#)

DS3/DS4 Central Office Coax, RG-59, 20 AWG Solid BC, Foil + 85% TC Braid, Flamarrest® Jkt, CMP

Product Description

DS3/DS4 Central Office Coax, RG-59, 20 AWG Solid Bare Copper Conductor, FEP Insulation, Foil + 85% Tinned Copper Braid Shield, Flamarrest® Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:	Central office wiring, DS3/DS4 interconnect, 734/735 telecommunications systems, switchboard communications
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Construction Details

RG Type:	59
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Conductor

Size	Stranding	Nom. Diameter	Material
20 AWG	Solid	0.032 in	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.148 in (3.76 mm)

Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%
2	Braid	Tinned Copper (TC)		85%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.213 in (5.41 mm)

Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
15 - 95 MHz	30 dB

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
10.1 Ohm/1000ft (33.1 Ohm/km)	2.4 Ohm/1000ft (7.9 Ohm/km)	17.3 pF/ft (56.8 pF/m)	75 Ohm	80%

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Temperature	Operating
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60°C	0°C to +75°C
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Bend Radius

Installation Min.
2.1 in

Max. Pull Tension:	49 lbs (22 kg)
Bulk Cable Weight:	35 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	CMP
CEC / C(UL) Compliance:	CMP
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)
Non-Plenum Number:	734A1

History

Update and Revision:	Revision Number: 0.330 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
734A1P 008500	Gray	Reel	500 ft	612825184188	C
734A1P 0081000	Gray	Reel	1,000 ft	612825184157	C

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