



**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

60°C 0°C to +75°C

#### 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: 0.329 Revision Date: 04-29-2024

#### 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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