

## 735AS3P Coax - Bundled 735 Plenum Telecommunication Coax



For more Information  
please call

1-800-Belden1



### General Description:

3-26 AWG solid silver plated copper conductors, foam FEP insulation, Beldfoil® shield (100% coverage) plus a tinned copper braid shield (95% coverage), Flamarrest® jacket. Banana Peel®.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
3	26	Solid	SPC - Silver Plated Copper	0.016

Total Number of Conductors: 3

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon	FFEP - Foam Fluorinated Ethylene Propylene	0.077

#### Fillers

Fillers: Extruded PVC Spline

#### Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000
2		Braid	TC - Tinned Copper	93.000

#### Inner Jacket

Inner Jacket Material:

Inner Jacket Trade Name	Inner Jacket Material	Nom. Dia. (in.)
Flamarrest(R)	LS PVC - Low Smoke Polyvinyl Chloride	0.129

#### Overall Cable

Overall Nominal Diameter: 0.393 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	60°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	43 lbs/1000 ft.
Min. Bend Radius (Overall):	2.800 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	11/06/2008
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

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### Flame Test

UL Flame Test:	NFPA 262 Plenum Flame Test (UL910)(FT6)
C(UL) Flame Test:	FT6

### Suitability

Suitability - Indoor:	Yes
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### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	735A3

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

<b>Impedance (Ohm)</b>
75.000

#### Nom. Inductance:

<b>Inductance (µH/ft)</b>
0.097

#### Nom. Capacitance Conductor to Shield:

<b>Capacitance (pF/ft)</b>
17.500

#### Nominal Velocity of Propagation:

<b>VP (%)</b>
76.000

#### Nominal Delay:

<b>Delay (ns/ft)</b>
1.340

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/1000 ft)</b>
41.000

#### Nom. Inner Shield DC Resistance:

<b>DCR @ 20°C (Ohm/1000 ft)</b>
5.300

#### Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.600
1.024	0.610
4.224	1.100
5.000	1.200
10.000	1.700
17.184	2.200
22.368	2.500
25.920	2.700
44.736	3.600
50.000	3.800
69.632	4.500
77.760	4.800
100.000	5.500
137.088	6.400
200.000	7.800

#### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

#### Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
15.000	95.000	30.000

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
735AS3P 0081000	1,000 FT	47.000 LB	GRAY		BONDED FILLER COMPOSITE
735AS3P 008500	500 FT	25.500 LB	GRAY		BONDED FILLER COMPOSITE

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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