
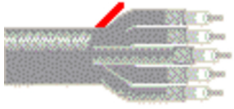


Product: [735A24](#) 



DS3 24 Coax 26 AWG SPC, Beldfoil® + Braid, Riser

Product Description

DS3 24 Coax 26 AWG solid silver-plated copper, foam HDPE insulation, Beldfoil® tape, tinned copper braid shield (95% coverage), Riser, PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
26	Solid	SCCS - Silvered Copper Covered Steel	0.016 in	24

Conductor Count: 24

Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.077 in

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Alum / Poly	Beldfoil®	100%
Braid	2	TC - Tinned Copper		95%

Inner Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.129 in

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.87 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
41 Ohm/1000ft	5.3 Ohm/1000ft	5.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
17.7 pF/ft

Inductance

Nominal Inductance
0.19 µH/ft

Impedance

Nominal Characteristic Impedance

75 Ohm

Return Loss (RL)

Frequency [MHz] Minimum Return (RL)

15 -95 MHz 30 dB

Delay

Nominal Delay Nominal Velocity of Propagation (VP) [%]

1.34 ns/ft 76%

High Freq

Frequency [MHz] Max. Insertion Loss (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

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

Operating Temp Range: -40°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	389 lbs/1000ft
Max. Pull Tension:	600 lbs
Min Bend Radius (Overall):	8.75 in
Min Bend Radius (Each Coax):	1.25 in

Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
RG Type:	Mini 59/U Type
Other Compliance:	Telcordia Specification GR-139-Core

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

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

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.285 Revision Date: 04-28-2020
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