



Product: [83267](#)



Computer and Instrumentation, #30 SPCCS Coax, SPC Braid, TFE Tape Jacket

Product Description

75 ohm, 30 AWG stranded (7x38) .012" silver-plated copper-covered steel conductor, TFE Teflon® insulation, silver-plated copper braid shield (95% coverage), TFE tape jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
30	Stranded	SPCCS - Silvered Copper Covered Steel	0.012 in	1

Conductor Count: 1

Insulation

Material	Material Trade Name	Nominal Diameter
PTFE - Polytetrafluoroethylene	Teflon®	0.063 in

Outer Shield

Type	Material	Coverage [%]
Braid	Silvered Copper (SC)	95%

Outer Jacket

Material	Material Trade Name	Nominal Diameter
PTFE - Polytetrafluoroethylene	Teflon®	0.105 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
244 Ohm/1000ft	244 Ohm/1000ft		8.6 Ohm/1000ft	8.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
19.5 pF/ft

Inductance

Nominal Inductance
0.1 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	3 dB/100ft
10 MHz	5.3 dB/100ft

50 MHz	8.5 dB/100ft
100 MHz	10 dB/100ft
200 MHz	12.5 dB/100ft
400 MHz	16 dB/100ft
700 MHz	19.7 dB/100ft
900 MHz	22.3 dB/100ft
1000 MHz	24 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.44 ns/ft	70%

Voltage

Non-UL Voltage Rating
900 V RMS

Temperature Range

Non-UL Temp Rating:	200°C
Operating Temperature Range:	-70°C To +200°C

Mechanical Characteristics

Bulk Cable Weight:	10 lbs/1000ft
Max. Pull Tension:	18 lbs
Min. Bend Radius/Minor Axis:	1 in

Standards

RG Type:	187
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Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
83267 009100	White	Reel	100 ft	612825203742
83267 0091000	White	Reel	1,000 ft	612825203759

Footnote:	E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'.
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Product Notes

Notes:	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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History

Update and Revision:	Revision Number: 0.323 Revision Date: 11-09-2022
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