



**Product:** [83269](#)

50 Ohm, RG188A, 26 AWG

## Product Description

RG-188A/U type, 26 AWG stranded (7x34) .0205" silver-plated copper-covered steel conductor, TFE Teflon® insulation, SPC braid shield (95% coverage), TFE tape jacket.

## Technical Specifications

### Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
Suitable Applications:	Mil Spec, RG-188A/U

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
26	7x34	SCCS - Silvered Copper Covered Steel	0.0205 in	1

Conductor Count:	1
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#### Insulation

Material	Material Trade Name	Nominal Diameter
PTFE - Polytetrafluoroethylene	Teflon®	0.058 in

#### Outer Shield Material

Type	Material	Coverage [%]
Braid	SC - Silvered Copper	95 %

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
PTFE - Polytetrafluoroethylene	Teflon®	0.100 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
91.2 Ohm/1000ft	8.5 Ohm/1000ft	8.5 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
29 pF/ft

#### Inductance

Nominal Inductance
0.067 µH/ft

#### Impedance

Nominal Characteristic Impedance
50 Ohm

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	1.2 dB/100ft
10 MHz	2.7 dB/100ft
50 MHz	5.6 dB/100ft
100 MHz	8.3 dB/100ft
200 MHz	12 dB/100ft
400 MHz	17.5 dB/100ft
700 MHz	23.7 dB/100ft
900 MHz	27.3 dB/100ft
1000 MHz	29 dB/100ft

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.47 ns/ft	69.5 %

#### Voltage

Non-UL Voltage Rating
900 V RMS

#### Temperature Range

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

#### Mechanical Characteristics

Bulk Cable Weight:	11 lbs/1000ft
Max Recommended Pulling Tension:	21 lbs
Min Bend Radius/Minor Axis:	1 in

#### Standards

RG Type:	188A/U Type
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#### Applicable Environmental and Other Programs

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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

#### Variants

Item #	Color	UPC	Length	Footnote
83269 009100	White	612825203766	100 ft	E
83269 0091000	White	612825203773	1,000 ft	E
83269 009500	White	612825203780	500 ft	E

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: 0.280 Revision Date: 04-02-2020
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