

**Product:** <u>83266</u> ☑

95 Ohm, RG180, 30 AWG SCCCS



# **Product Description**

95 Ohm RG-180, 30 AWG Stranded (7x38) .012" silver-coated copper-covered steel conductor, PTFE insulation, silver-plated copper braid shield (90% coverage), FEP jacket, commercial non-QPL product.

# **Technical Specifications**

# **Physical Characteristics (Overall)**

# Conductor AWG Stranding Material Nominal Diameter No. of Coax 30 Stranded SCCS - Silvered Copper Covered Steel 0.012 in 1 Conductor Count: 1 Insulation Material Nominal Diameter PTFE - Polytetrafluoroethylene 0.102 in

### Outer Shield Material

Type	Layer	Material	Coverage [%]
Braid	1	Silvered Copper (SC)	90%

### **Outer Jacket Material**

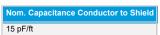
Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.141 in

# **Electrical Characteristics**

### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
94 Ohm/1000ft	6.5 Ohm/1000ft	6.5 Ohm/1000ft

### Capacitance



# Inductance

Nominal Inductance 0.135 µH/ft

### Impedance

Nominal Characteristic Impedance
95 Ohm

### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	2.4 dB/100ft
10 MHz	3.3 dB/100ft

50 MHz	4.6 dB/100ft
100 MHz	5.7 dB/100ft
200 MHz	7.6 dB/100ft
400 MHz	10.7 dB/100ft
700 MHz	14.9 dB/100ft
900 MHz	15.9 dB/100ft
1000 MHz	17 dB/100ft

# Delay

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

# **Temperature Range**

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

# **Mechanical Characteristics**

Bulk Cable Weight:	18 lbs/1000ft
Max. Pull Tension:	22 lbs
Min Bend Radius/Minor Axis:	1.5 in

# **Standards**

RG Type:	180/U Type
Military Compliance:	Commercial, non-QPL product (M17/95-RG180)
Qualified Products List (QPL):	No

# **Applicable Environmental and Other Programs**

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	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:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

# Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

# Plenum/Non-Plenum

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

# Variants

Item #	Color	Putup Type	Length	UPC		
83266 0011000	Brown	Reel	1,000 ft	612825203735		
Footnote:			C - 0	C - CRATE REEL PUT-UP.		
Footnote:			E - N	MAY CONTAIN M		

# History

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