

**Product:** <u>83284</u> ☑



50 Ohm Coax, RG316, 26 AWG Stranded SCCCS, SPC Braid, FEP Jacket, commercial non-QPL product.

### **Product Description**

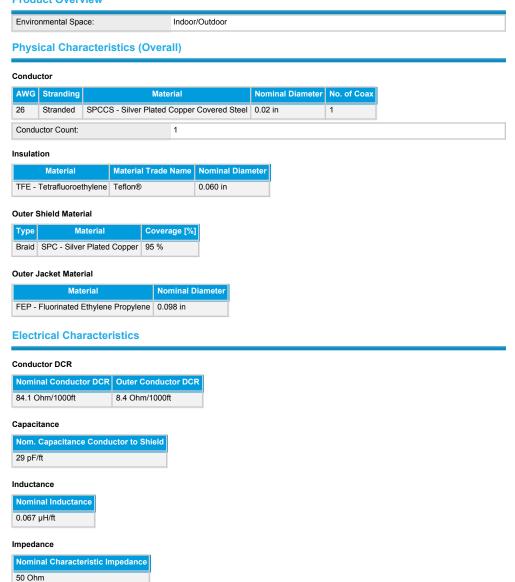
RG-316/U, 26 AWG stranded (7x34) .020" silver-coated copper-covered steel conductor, insulation, silver-plated copper braid shield (95% coverage), FEP jacket, commercial non-QPL product.

### **Technical Specifications**

#### **Product Overview**

Return Loss (RL)

Frequency [MHz] Min. Structural Return Loss (SRL)



1 MHz - 3 GHz	30 dB

#### 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
1500 MHz	36.5 dB/100ft
2000 MHz	42.5 dB/100ft
2400 MHz	47.2 dB/100ft
3000 MHz	53.6 dB/100ft

# Delay

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

### Voltage

Description	Voltage Rating [V]
900V RMS	900 V RMS

Electrical Characteristics Notes: VSWR/SRL per M17/113-RG316

## **Temperature Range**

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

## **Mechanical Characteristics**

Bulk Cable Weight:	10 lbs/1000ft
Max Recommended Pulling Tension:	21 lbs
Min Bend Radius/Minor Axis:	1 in

### **Standards**

RG Type:	316/U Type
Military Specification:	Commercial, non-QPL product (M17/113-RG316)
QPL (Qualified Parts List):	No

# **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 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
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	
Suitability - Sunlight Resistance:	No	

#### Plenum/Non-Plenum

Plenum (Y/N):	No	

#### **Part Number**

#### Variants

Item #	Color	UPC	Length	Footnote
83284 009100	White	612825203797	100 ft	E
83284 0091000	White	612825203803	1,000 ft	E
83284 009500	White	612825206118	500 ft	E

Footnote:

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

#### **History**

Update and Revision:	Revision Number: 0.283 Revision Date: 08-22-2019

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