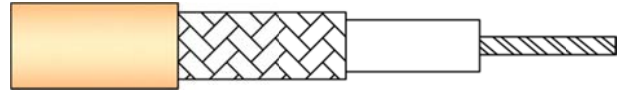


## Description

RG-316 High Frequency Coaxial Cable with FEP Jacket.



## Construction

	Material	Diameter (mm)
<b>Center Conductor</b>	SPCCS	0.53 (7/0.175)
<b>Dielectric</b>	FEP	1.53
<b>Outer Conductor</b>	SPC	1.98 (16/5/0.10)
<b>Jacket</b>	FEP (Brown)	2.53

SPCCS: Silver Plated Copper Covered Steel

FEP: Fluorinated Ethylene Propylene

SPC: Silver Plated Copper

## Technical Data

### Electrical Data: (Nominal)

Impedance	50 Ω
Operating Frequency	6.0 GHz
Capacitance	95.8 pF/M
Insulation Resistance	3000 MΩ-KM
Velocity of Signal Propagation	69 %
Rating Temp Voltage	105°C 30V
Conductor Resistance	302 Ω-KM/20°C Max.
Dielectric Strength	AC 1.0 KV/Min.

### Mechanical Data :

Max. Tensile Strength	3.4 KGS
Min. Bending Radius	15 mm (Static) 50 mm (Repeated)

### Environmental Data :

Temperature Range	-40 to 200 °C
2011/65/EU (RoHS2)	Compliant
Flame Class	VW-1

**Attenuation**

Frequency (MHz)	Attenuation (dB/M)
1000	1.25
1800	1.51
2400	1.71
3000	1.92
5200	3.15
6000	3.44

**Misc. Information**

Weight	14.5 g/M
Marking	M17/113-RG316 MIL-C-17 S-CONN
Package	500 M/Roll