

# RG-316D

# Flexible Coaxial Cable - Double Braid



## Construction

Item	Material	Diameter	Remark
Center Conductor	SPCW	0.51 mm ( 0.020 inch )	Stranded ( 7/0.17 )
Dielectric	PTFE	1.52 mm ( 0.060 inch )	Solid
Shield	SPC	2.00 mm ( 0.079 inch )	Braid
Shield	SPC	2.40 mm ( 0.094 inch )	Braid
Jacket	FEP	2.90 mm ( 0.114 inch )	Light Brown

## Electrical & Mechanical Data

Characteristic Impedance	50 $\Omega$
Operating Frequency	12.4 GHz
Velocity of Propagation	70 %
Capacitance	96.5 pF/m
Operating Temperature	- 55°C ~ 200°C
Working Voltage	1,200 Vrms ( Max. )
Weight	23 kg / km
Min. Bending Radius	15 mm ( Single )

## Attenuation

Frequency (GHz)	Nom. Attenuation	
	(dB/m)	(dB/ft)
0.05	0.17	0.05
0.50	0.73	0.22
1.00	1.09	0.33
2.00	1.60	0.49
2.50	1.84	0.56
3.00	1.91	0.58
6.00	2.92	0.89
10.00	5.55	1.69
12.40	6.53	1.99