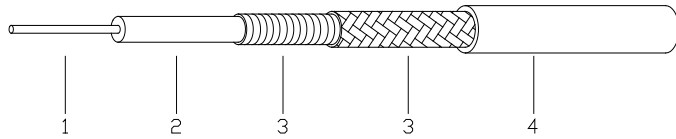


## PLEX210



### Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	1.45	0.057
2. Dielectric	LD PTFE	4.00	0.157
3. Outer Conductor	Spiral Wrapped Silver Plated Copper Tape+ Silver Plated Copper Braid	4.76	0.187
4. Jacket	Gray FEP	5.20	0.205

### Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	83%
Operation frequency	29 GHz
Voltage Withstand (V.DC)	1500 V
Shielding Effectiveness	90 dB

### Mechanical Characteristics

Min. Bending Radius (mm)	25
Cable Minimum Dynamic Bend Radius (mm)	52
Weight	56g/m

### Environmental Characteristics

Operating Temp(°C)	-55~+125
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### Attenuation & Average Power @ 20°C and Seal Level

Frequency (GHz)	Attenuation		Avg. Power (W)
	dB/1m	dB/1Ft	
0.05	0.051	0.02	1658
0.10	0.072	0.02	1628
0.20	0.102	0.03	1618
0.3	0.125	0.04	1608
1.0	0.23	0.07	875
2	0.327	0.10	615
4	0.466	0.14	431
6	0.574	0.17	350
8	0.666	0.20	302
10	0.749	0.23	268
12	0.769	0.23	244
14	0.823	0.25	225
16	0.958	0.29	210
18	1.02	0.31	197
26.5	1.252	0.38	160

K1=0.7156867

K2=0.0003280

Attenuation formula=  $K1 * \sqrt{F} \text{ (MHz)} + K2 * F \text{ (MHz)}$