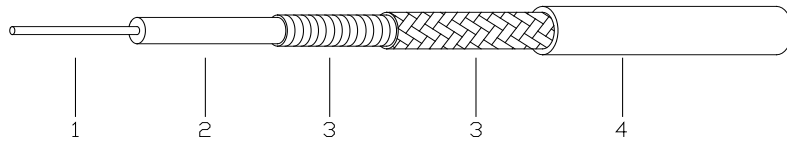


PLEX310VT



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	2.30	0.0906
2. Dielectric	LD PTFE	6.20	0.2441
3. Outer Conductor	Spiral Wrapped Silver Plated Copper Tape +Silver Plated Copper Braid	6.93	0.2728
4. Jacket	Violet (PANTONE 2583C) FEP	7.80	0.3071

Electrical Characteristics

Impedance	50 ohm
Capacitance	80 pF/m
Velocity of Propagation	83%
Cut-off Frequency	19 GHz
Dielectric withstanding voltage	1300 VRMS
Inductance	0.31 uH/m
Time Delay	4.02 nS/m
Shielding Effectiveness	90 dB
Peak Power Rating	10 KW

Mechanical Characteristics

Min.Bending Radius (mm)	35
Cable Minimum Dynamic Bend Radius(mm)	80
Weight	130 g/m

Environmental Characteristics

Operating Temp(°C)	-65~+165
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Attenuation & Average Power @ 20°C and Seal Level

Frequency(GHz)	Attenuation		Avg.Power (W)
	dB/100m	dB/100Ft	
0.035	2.81	0.86	9322
0.1	4.60	1.40	5817
0.5	10.37	3.16	2500
1.0	14.76	4.49	1900
2.0	21.07	6.41	1350
4.0	30.18	9.19	900
6.0	37.32	11.36	750
8.0	43.44	13.22	650
10.0	48.92	14.89	600
12.0	53.93	16.41	580
13.5	57.45	17.48	550
15.0	60.81	18.51	525
18.0	67.13	20.43	450