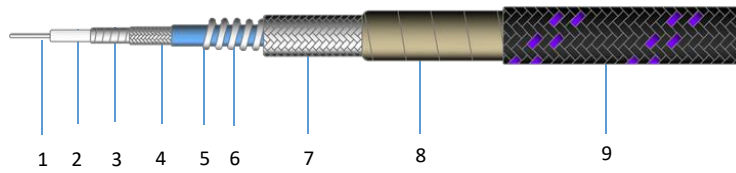


PT110

Low loss stable phase RF testing cable

Ver A

A01



Construction Specification

	Description	Size (mm)	Materials
1	Inner conductor	0.29	Silver plated copper clad steel
2	Dielectric	0.92	PTFE
3	Outer conductor	1.08	Silver plated copper strip
4	Outer shielding	1.28	Silver plated copper wire
5	Sheath	1.53	FEP
6	Armored spring	3.60	Stainless steel with spring
7	Reinforcing braid	3.95	Silver plated copper wire
8	Anti torsion layer	4.30	Waterproof adhesive
9	Jacket	5.10	PTFE woven silk black purple

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	26
Bend Radius:repeated (mm)	51
Weight (g/m)	N/A
Temp, Operating&Installation (°C)	-55~165

Electrical Specifications

Operation Frequency (GHz)	110
Impedance (Ohms)	50
Velocity of Propagation(%)	70%
Voltage Withstand (V,DC)	450
Shielding Effectiveness (dB)	90

Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

Frequency MHz	300	1000	2000	4000	6000	10000	18000	26500	40000	50000	67000	110000
Attenuation dB/100m	67.6	124.0	176.1	250.7	308.5	401.3	544.5	666.8	829.2	934.1	1093.5	1433.3
Avg.Power kW	0.046	0.025	0.018	0.012	0.010	0.008	0.006	0.005	0.004	0.003	0.003	0.002
				K1=3.879118		K2=0.001334						

Calculate Attenuation=K1*VFMHz+K2*FMHz

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Shanghai JunCoax RF Technologies Co.,Ltd.
 Add.: F8,Building 152 ,No.3938,HuQingPing Rd. Shanghai, China. 201704
 TEL:021-69760391