

1/2 in Low Loss Air-Dielectric White Plenum Cable



Construction Specifications		
	Material	Diameter (mm)
Inner Conductor	Copper Clad Aluminum wire	4.80
Insulation	PE Spline	11.80
Outer Conductor	Ring Corrugated Copper	13.80
Jacket	White Plenum Rated	16.00

Electrical Characteristics	
Capacitance (pF/m)	75.5
Impedance (ohm)	50
Velocity (%)	88
DC Breakdown Voltage (kV)	40
Insulation Resistance (MΩ*km)	>5000
Peak Power Rating (kW)	40
Cut-off Frequency (GHz)	8.8
Screening Attenuation (dB)	>120

Mechanical and Environmental Characteristics	
Min. Bend Single Radius (mm)	70
Min. Bend Repeated Radius (mm)	125
Operating Temperature	-20° to 80° C
Storage Temperature	-20° to 80° C
Installation Temperature	-5° to 60° C
Maximum Tensile Strength (N)	1130

Part Number	TWS-AD12-50P-WH
Tessco Sku	284682

The Ventev Low Loss Air-Dielectric Plenum Cable is ideal for multiple RF signals typical in plenum-space feedlines within buildings. All Ventev Plenum cable is UL Listed and with a CMP rating. The solid outer conductor of this cable creates an uninterrupted shield that maximizes protection against system interference. The solid inner conductor creates excellent intermodulation performance and low VSWR, high efficiency signal transfer. The Ventev cable is compatible with the top manufacturer's connectors and terminates with standard tooling – no special equipment needed.

All Ventev cable is covered by the company's 7-year warranty.

For more information or to purchase, contact Ventev:
800.851.4965 or sales@ventev.com

Attenuation at (20°C / 68°F) at Sea Level	
Frequency MHz	Nominal Attenuation dB/100m
10	0.673
200	3.15
450	4.85
800	6.65
900	7.07
960	7.36
1000	7.53
1500	9.46
1800	10.50
2000	11.16
2200	11.80
2500	12.71
3000	14.16
3300	14.98
3800	16.31
4000	16.82
5000	19.28
6000	21.58

Nominal attenuation values may be with a tolerance of +5%