

CABLE SPECIFICATION

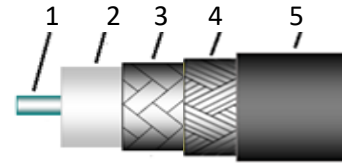
WaveFlex 290 PVC



DATA SHEET

Revision: A 3/6/19

The design of the WaveFlex290 PVC is ideal for outdoor applications where UV protection, weatherization and flexibility of the assembly is required.



Electrical Data

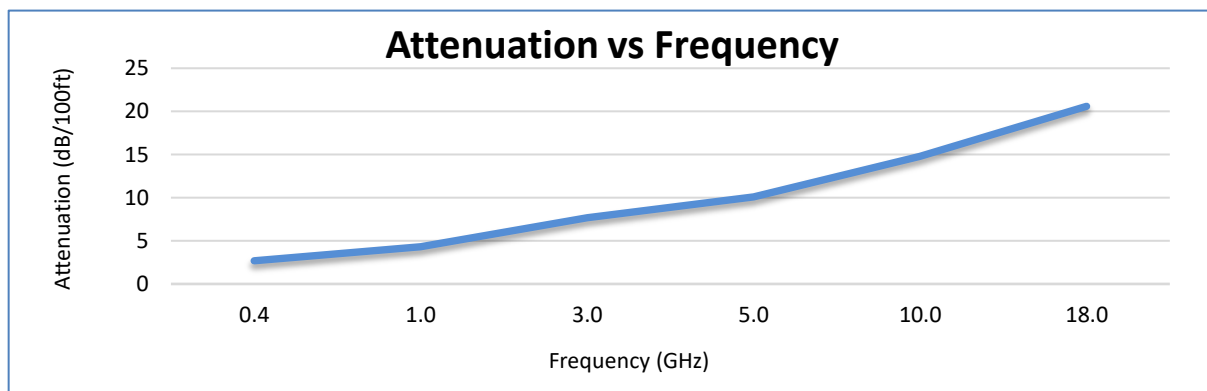
Frequency, Max (GHz)	18.0		
Impedance, nominal (Ω)	50		
Velocity of Propagation (%)	85		
Shielding Effectiveness, 18 GHz (dB/ft)	>-90dB		
Capacitance (pF/ft)	23.5		
Delay (ns/ft), (ns/meter)	1.21	3.9729921	
Attenuation k1 (db/100ft) @ 23 deg C	0.131		Attenuation (Typical) at any Frequency
Attenuation k2 (db/100ft) @ 23 deg C	0.0001674		=k1 x SqRt (FMHz) + k2 x (FMHz)

Mechanical/Environmental Data

Weight (lbs/100ft), (Kg/100m)	8.30	12.48	
Temperature Range ($^{\circ}$ C)	-40 to +105		
Minimum Bend Radius (inch), (mm)	1.65	41.91	

Construction Data

Inner Conductor (inch)	1		0.089	Solid SPC
Dielectric (inch)	2		-	PTFE Tape
First Outer Shield (inch)	3		-	Flat SPC Wrap
Second Outer Shield (inch)	4		-	Round Braid SPC
Jacket (inch O.D.)	5		0.330	PVC, Black



Frequency GHz	0.4	1.0	3.0	5.0	10.0	18.0
Typical Loss dB/100ft	2.7	4.3	7.7	10.1	14.8	20.6