

CABLE SPECIFICATION

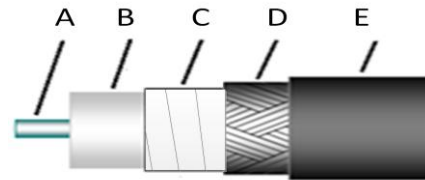
WaveFlex 180



DATA SHEET

Revision: - 1/1/21

WaveFlex 180 offers low loss and high performance up to 32GHz with a 83% velocity tape-wrapped dielectric.



Electrical Data

Frequency, Max (GHz)	32.0		
Impedance, nominal (Ω)	50		
Velocity of Propagation (%)	83		
Shielding Effectiveness, 18 GHz (dB/ft)	>-90dB		
Capacitance (pF/ft)	24		
Delay (ns/ft), (ns/meter)	1.22	4.0058268	
Attenuation k1 (db/100ft) @ 23 deg C	0.29		Attenuation (Typical) at any Frequency
Attenuation k2 (db/100ft) @ 23 deg C	0.000179		=k1 x SqRt (FMHz) + k2 x (FMHz)

Mechanical/Environmental Data

Weight (lbs/100ft), (Kg/100m)	3.90	5.86	
Temperature Range ($^{\circ}$ C)	-65 to +165		
Minimum Bend Radius (inch), (mm)	0.50	12.70	

Construction Data

Center Conductor (inch)	1	0.051	SPC
Dielectric (inch)	2	-	Expanded PTFE
Inner Shield	3	-	Wrap SPC
Outer Shield	4	-	SPC
Outer Jacket (inch)	5	0.190	FEP

