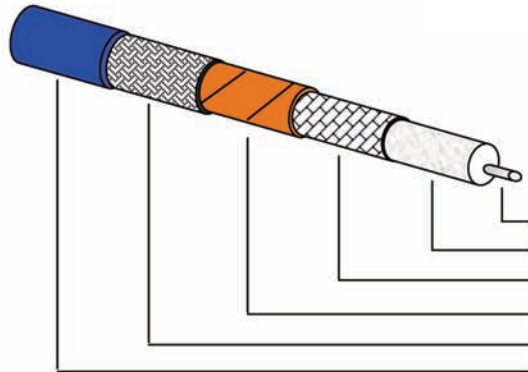


## PhaseTrack® Construction



Center Conductor	Silver Plated Copper*
Dielectric	TF4 Dielectric
Shield	Silver Plated Copper
Interlayer	Metalized Polyimide Tape
Outer Braid	Silver Plated Copper Braid
Jacket	Blue FEP

Part Number	PT110	PT150	PT180	PT210	PT318
Dielectric Technology	TF4™	TF4™	TF4™	TF4™	TF4™
Diameter (in)	0.108	0.145	0.180	0.220	0.315
Minimum Bend Radius	0.550	0.750	1.000	1.125	1.750
Mass (lbs/1000 feet)	14.0	24.0	36.0	46.0	90.0
Temperature Rating	-55C to +150C				
Center Conductor	Silver Plated Copper Clad Steel	Silver Plated Copper			
Outer Conductor	Silver Plated Copper Strip Braid				
Jacket	Blue FEP				
Characteristic Impedance	50 Ohms				
Velocity of Propagation	82.5%	82.5%	83.0%	83.5%	83.5%
Cutoff Frequency (GHz)	80.0	52.4	38.7	29.0	18.9
Delay (nS/foot)	1.23	1.23	1.23	1.23	1.22
Capacitance (pF/foot)	24.7	24.7	24.6	24.4	24.0
Shielding	-90 dB Minimum				
Loss @ 6 GHz (db/100 feet)	64.0	38.4	30.5	24.6	16.7
Loss @ 18 GHz (db/100 feet)	121.0	70.5	58.5	48.4	34.7
K1	0.72391	0.4532	0.33627	0.25971	0.15565
K2	0.0013239	0.00055605	0.00074129	0.00075526	0.00076725

\*PT110 uses silver plated, copper clad steel as a center conductor.