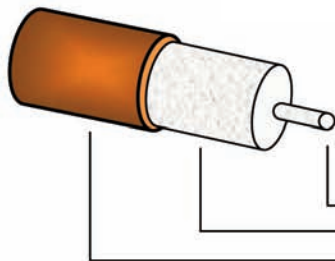


# PhaseTrack® SR

## PhaseTrack®-SR Construction



Center Conductor	Silver plated Copper*
Dielectric	TMS TF4 Dielectric
Outer Conductor	Bare Copper Tube

Part Number	PTSRB047	PTSRB085	PTSRB141
Dielectric Technology	TF4™	TF4™	TF4™
Diameter (in)	0.047	0.085	0.141
Minimum Bend Radius	0.15	0.25	0.425
Mass (lbs/1000 feet)	4.5	14.2	29.0
Temperature Rating	-55C to + 125C		
Center Conductor	Silver Plated Copper Clad Steel		Silver Plated Copper
Outer Conductor	Bare Copper		
Jacket	NA		
Characteristic Impedance	50 Ohms		
Velocity of Propagation	82.5%	82.5%	82.5%
Cutoff Frequency (GHz)	138.5	80.2	38.4
Delay (nS/foot)	1.23	1.23	1.23
Capacitance (pF/foot)	24.6	24.6	24.6
Shielding	-110 dB Minimum		
Loss @ 6 GHz (db/100 foot)	96.3	55.2	28.2
Loss @ 18 GHz (db/100 foot)	173.8	102.9	54.8
K1	1.17249	0.63712	0.30382
K2	0.00091751	0.0009676	0.00077836

\*PTSRB047 and PTSRB085 use silver plated, copper clad steel as a center conductor.