



# Phase/Temp Stable RF Cables

## 0.141" & 0.086" Cable Sizes

### Up to 40GHz Solutions



No PTFE Knee in Phase/Temp Performance  
 SMA, Type-N, SMP & more  
 Str & R/A Male and Bkhd Female solutions  
 Swept Cable N & SMA R/A Solutions  
 Low VSWR Connector Options  
 Corrosion Resistant Connectors



Connector Style	A33TFL	A28PT	A29PT
Cable C/O Frequency	90GHz	75GHz	37GHz
Cable Jacket O.D.	0.056"	0.092"	0.160"
Cable Attn. Ref. (@ Typ. Freq.)	3.00dB/ft (@50GHz)	1.77dB/ft (@40GHz)	0.76dB/ft (@27GHz)
Minimum Bend	0.200"	0.500"	0.750"
Conductor	Copper	Steel	Copper
Delay nS/ft	1.45	1.23	
Cable VP%	70%	79.5%	
Phase Tracking ppm	50		
Operating Temp	-55°C to 125°C		
Shield Effectiveness	>100dB	>90dB	

ConductRF PFT series of Low Loss, Performance flexible RF cable assemblies utilize a new dielectric material that eliminates what is commonly called the PTFE Knee that is the cause of Phase to vary with temperature in a non-linear fashion. The dielectric used in these cables provides for a more linear change in Phase as temperature changes, so the change variance is less impactful.

ConductRF offer common solution for  $\varnothing 0.047"$ ,  $\varnothing 0.086"$  &  $\varnothing 0.141"$  cable allowing us to use standard connector styles. Options include SMA, Type-N, SMP and 2.92mm. Other standard options up to 65GHz are also available. ConductRF's low profile swept N & SMA connectors are also suitable for these cables.



PFT29-S1S1-S18

PFTXX-YYZ-YYY

XX  
 33 = 0.047"  $\varnothing$  Cable(65GHz)  
 28 = 0.086"  $\varnothing$  Cable(40GHz)  
 29 = 0.141"  $\varnothing$  Cable(27GHz)

Y  
 S = SMA  
 N = Type-N  
 T = TNC  
 D = 2.92mm  
 P = SMP  
 PM = SMPM  
 PG = SMPS

Z  
 1 = Straight Male  
 2 = Right Angle Male  
 3 = Bulkhead Female

YYY  
 FYY = Length in Ft(F06 = 6ft)  
 SYY = Length in In.(S18 = 18")  
 YMY = Length in M(2M5 = 2.5m)  
 CYY = Length in CM(C50 = 50cm)

