



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	A28PT	A29PT
Cable C/O Frequency	75GHz	37GHz
Cable Jacket O.D.	0.092"	0.160"
Cable Loss Ref. (@ Typ. Freq.)	1.77dB/ft (@40GHz)	0.76dB/ft (@27GHz)
Cable Weight	1.1lb/100ft	2.8lb/100ft
Minimum Bend	0.500"	0.750"
Conductor	Steel	Copper
Delay nS/ft	1.23	
Cable VP%	82.5%	
Phase Tracking ppm	50	
Operating Temp	-55°C to 125°C	
Shield Effectiveness	<-90dB	

ConductRF PFT series of Low Loss, Performance flexible RF cable assemblies utilize a new A28PT & A29PT dielectric material that eliminates the PTFE Knee that causes Phase to significantly vary with temperature. The dielectric used in the cables make them suitable for use in applications where phase stability with temperature change is critical as in aerospace applications.

Here we offer customers a solution for 0.086" dia. cable that facilitates greater flexibility and handling or, 0.141" dia. that exploits the same great performance but with almost half the loss.

Connector options include SMA, Type-N, SMP and 2.92mm. Various other options up to 40GHz are also available. Our low profile swept N & SMA connectors are also suitable for these cables.

ConductRF guarantees it's performance through 100% factory RF testing prior to shipping.



PFT29-S1S1-S18

PFTXX-YYZ-YYY

XX
 28 = 0.086" Dia Cable(40GHz)
 29 = 0.141" Dia Cable(27GHz)

Y
 S = SMA
 N = Type-N
 D = 2.92mm
 P = SMP

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)

