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 Effectivness	>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 ø0.047", ø0.086" & ø0.141" 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

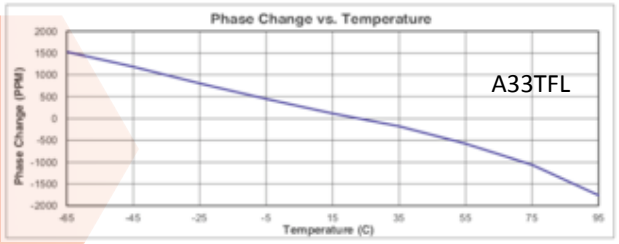
PFTXX-YZYZ-YYY

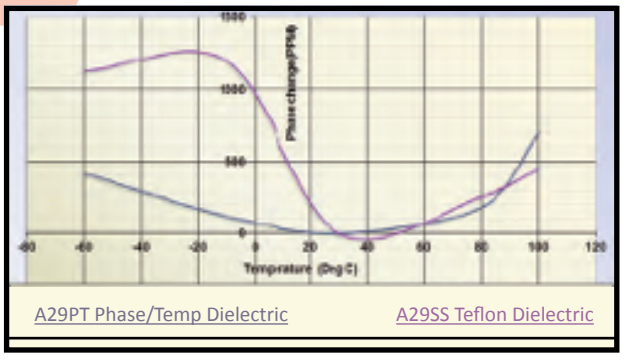
XX
33 = 0.047" ø Cable(65GHz)
28 = 0.086" ø Cable(40GHz)
29 = 0.141" ø Cable(27GHz)

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)





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