

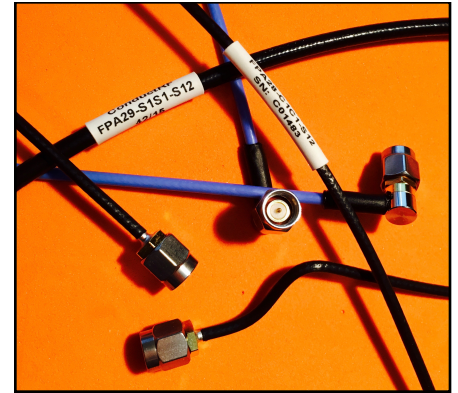


# Semi-Flex/Form 50Ω RF Cables

## 0.047", 0.085" & 0.141" Cable Options

### Standard Connector Interfaces

**0.047" 0.085" & 0.141" Semi-Flexible Cable**  
**Frequency DC-70GHz Assemblies**  
**Low VSWR & Insertion Loss**  
**FEP Jacketed Cable**  
**Formable during installation**  
**Available for Phase Matching to +/- 0.2Deg**



Characteristic	Dia 0.047"	Dia 0.085"	Dia 0.141"
Centre Conductor Material	Silver Plated OFHC Solid Copper		
Dielectric Material	Laminated PTFE		
Outer Braid 1	Silver Plated OFHC Copper Foil		
Outer Braid 2	Tin Plated OFHC Copper Braid		
Cable Jacket	FEP		
Capacitance	95pF/m		
Velocity of Propagation	70% Nominal		
Electrical Delay	4.72ns/m		
Shielding	>95dB		
Operating Temp. Range	-55 to +125°C		
Diameter over Jacket	0.067"	0.104"	0.168"
Max Op. Voltage	900Vrms	1,500Vrms	1,900Vrms
Static Min. Bend Radius	3mm	5mm	10mm
Maximum CW Power(1GHz)	51.4W	121.5W	303.4W
Max Frequency	90GHz	60GHz	33GHz

ConductRF FPA series of Cable Assemblies uses a unique Low Loss, high performance Flexible & Formable Cable providing system designers with a versatile solution that allows for High Frequency applications. The product also allows for very tight phase matching to +/- 0.2Deg.

With the additional benefit of higher shielding effectiveness and RF performance over traditional standard Hand Formable cables, these solutions offer a broad capability with some extra flexibility.

ConductRF's FPA cables are manufactured using the latest induction soldering techniques to best ensure the highest quality and performance because, Results Count!



FPA28-D1D1-S06

FPA<sub>XXX</sub>-Y<sub>ZZY</sub>-Y<sub>YYY</sub>

XXX(Max Frequency)  
A28 = 0.086" Conformable(60GHz)  
A29 = 0.141" Conformable(33GHz)  
A33 = 0.047" Conformable(90GHz)

Y(Max Frequency)  
N = Type-N(18GHz)  
S = SMA(27GHz)  
D = 2.92mm(40GHz)  
C= 2.4mm(50GHz)  
B= 1.85mm(65GHz)  
P= SMP(40GHz)  
Blank for Blunt Cut

Z  
1 = Straight Male  
2 = R/A Male  
3 = Bulkhead Mount  
4 = Panel Mount  
F = Straight Female  
R= R/A Female  
Blank for Blunt Cut

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