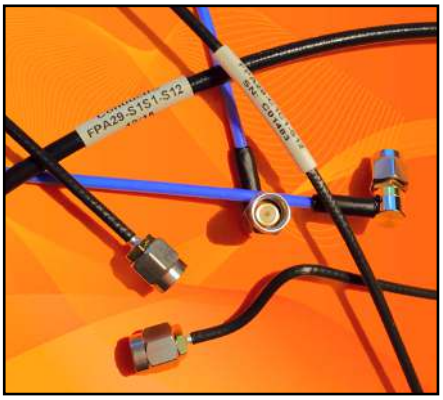
Semi-"FlexiForm" 50Ω RF Cables

ø0.047", ø0.085" & ø0.141" Cable Options

Standard Connector Interfaces

Solutions up to 90GHz
Low VSWR & Insertion Loss
Operating Temps up to 125°C
FEP Jacketed Cable
Formable Bending during installation
Ideal for Phase Matching & Precision Lengths

ConductRF Cable #	A33RFJ	A28RFJ	A29RFJ
Outer Shield Diemeter	ø0.047"	ø0.085"	ø0.141"
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	Black FEP		
Capacitance	95pF/m		
Velocity of Propagation	71%		
Electrical Delay	4.59ns/m		
Shielding to 18GHz	>100dB		
Operating Temp. Range	-55°C to +125°C		
Jacket Diameter	ø0.067"	ø0.104"	ø0.168"
Max Op. Voltage	900Vrms	1,500Vrms	1,900Vrms
Static Min. Bend Radius	3mm	5mm	10mm
Cable Max Frequency	90GHz	60GHz	33GHz



RoHS COMPLIANT

ConductRF FPA Cable Assemblies use a unique, Low Loss, high performance Semi-"FlexiForm" Cable that is formable, but flexible, providing system designers with a versatile solution for High Frequency applications. The product also allows for very tight phase matching to ±0.2°.

Available in 3 common cable diameters, with the benefits of higher operating frequencies, shielding effectiveness and stability performance over traditional standard Hand Formable cables, these solutions enhance any application requiring higher performance.

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

FPA28-D1D1-S06

FPAXX-YZYZ-YYY

XXX(Max Frequency)
A28 = 0.085"(Up to 60GHz)
A29 = 0.141"(Up to 33GHz)
A33 = 0.047"(Up to 90GHz)

Note: See individual drawings for operating frequency variants available.

Y(Max Frequency)
N = Type-N(18GHz)
S = SMA(27GHz)
E = 3.5mm(32GHz)
D = 2.92mm(40GHz)
C= 2.4mm(50Ghz)
B= 1.85mm(70GHz)
P= SMP(40GHz)
PM = SMPM(60GHz)

Z
1 = Straight Male
2 = R/A Male
3 = Bulkhead Mount
4 = Panel Mount
F = Straight Female
R= R/A 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)

Sales@ConductRF.com - Tel: +1 978 374 6840 - www.ConductRF.com