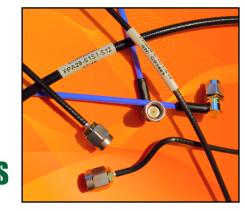


## Semi-"FlexiForm" 50Ω RF Cables ø0.047", ø0.085" & ø0.141" Cable Options Standard Connector Interfaces

## 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     |  |



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  $\pm 0.2^{\circ}$ .

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  | SOL   |
|---|---|---|---|
|   | FPAXX-YZYZ  |   |   |
| XXX(Max Frequency)<br>A28 = 0.085"(Up to 60GHz)<br>A29 = 0.141"(Up to 33GHz)<br>A33 = 0.047"(Up to 90GHz) | Y(Max Frequency)<br>N = Type-N(18GHz)<br>S = SMA(27GHz)                                       |   | YYY   |
| Note: See individual drawings for operating frequency variants available.                                 | E = 3.5mm(32GHz)<br>D = 2.92mm(40GHz)<br>C= 2.4mm(50Ghz)<br>B= 1.85mm(70GHz)<br>P= SMP(40GHz) | 1 = Straight Male<br>2 = R/A Male<br>3 = Bulkhead Mount<br>4 = Panel Mount<br>F = Straight Female | FYY = Length in ft.(F06 = 6ft)<br>SYY = Length in in.(S18 = 18")<br>YMY = Length in M(2M5 = 2.5m)<br>CYY = Length in CM(C50 = 50cm) |

PM = SMPM(60GHz)



Technology Partner





R= R/A Female

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