



# Reformable 50Ω RF Cables

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

### Standard Connector Interfaces

0.047" 0.085" & 0.141" Hand Formable Cable  
 Frequency Options up to 40GHz  
 Low VSWR & Insertion Loss  
 Reformable during installation  
 FEP Jacketed Cable Options  
 Simple Part Number Configuration



Characteristic	Dia 0.047"	Dia 0.085"	Dia 0.141"
Centre Conductor Material	SPCW	SPCCS	
Dielectric Material	Solid PTFE		
Outer Braid	Copper Foil/Tin Composite		
Cable Jacket	Unjacketed or FEP		
Capacitance	29.4pF/ft		
Velocity of Propagation	70% Nominal		
Electrical Delay	1.45ns/ft		
Shielding up 18GHz	-95dB min.		
Operating Temp. Range	-55°C to +125°C		
Typ. Dia. over Jacket	0.063"	0.100"	0.162"
Max Op. Voltage	900Vrms	1,500Vrms	1,900Vrms
Static Min. Bend Radius	0.100"	0.240"	0.320"
Maximum CW Power(1GHz)	51.4W	121.5W	303.4W
Atten. /100ft (20C-SL) 1GHz	42.9dB	19.7dB	12.1dB

ConductRF FM series of Hand Formable RF cable assemblies provides system designers with a versatile solution that allows RF cables to be physically routed and set in to position during installation.

With the additional benefit of higher shielding effectiveness and RF performance over traditional standard flexible cables, hand forming solutions provide a great performance alternative, often at no extra cost. When compared to traditional semi-rigid options, these cables can provide increased installation flexibility at a substantially lower cost.

ConductRF's Formed cables are manufactured using the latest induction soldering techniques to best ensure the highest quality and 100% tested to validate performance because, Results Count!



FMA28-S1S1-S09

FMXXX-YZY-Z-YYY

XXX

- A28 = 0.085" Hand Form(18GHz Max)
- X28 = 0.085" Hand Form(40GHz Max)
- A29 = 0.141" Hand Form(18GHz Max)
- A33 = 0.047" Hand Form(40GHz Max)
- J28 = 0.085" Hand Form w. FEP Jacket(18GHz)
- J29 = 0.141" Hand Form w. FEP Jacket(18GHz)
- J33 = 0.047" Hand Form w/ FEP Jacket(40GHz)

Y(Max Frequency)

- M = MCX(6GHz)
- N = Type-N(18GHz)
- S = SMA(18GHz)
- D = 2.92mm(40GHz)
- P = SMP(27GHz)
- More on Request

Z

- 1 = Straight Male
- 2 = R/A Male
- 3 = BKHD Mount Female
- 4 = Panel Mount Female
- F = Straight Female

YYY

- SY = Length in in.(S09 = 9")
- CY = Length in CM(C50 = 50cm)