



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 DC-18GHz
 Low VSWR & Insertion Loss
 FEP Jacketed Cable Options to 125°C
 Reformable during installation
 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 as Standard		
Capacitance	29.4pF/ft		
Velocity of Propagation	70% Nominal		
Electrical Delay	1.45ns/ft		
Shielding up 18GHz	-100dB min.		
Operating Temp. Range	-55 to +125°C		
Diameter 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 performance because, Results Count!



FMA28-S1S1-S09

FMXXX-YZZZ-YYY ←

XXX(Max Frequency)
 A28 = 0.086" Conformable(63GHz)
 A29 = 0.141" Conformable(34GHz)
 A33 = 0.047" Conformable(109GHz)
 J28 = 0.086" Conformable w. FEP Jacket
 J29 = 0.141" Conformable w. FEP Jacket
 J33 = 0.047" Conformable w/ FEP Jacket

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
 Blank for Blunt Cut

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)