## **RF Cable Assembly Product Guide**

Siretta RF cable assemblies are generally used as an extension to connect two devices in RF signal transmission - typically a wireless module and antenna.

Each RF cable assembly is 100% signal continuity tested; in process and at completion. Our on-going quality control inspection guarantees every customer will receive the ultimate in quality cables.

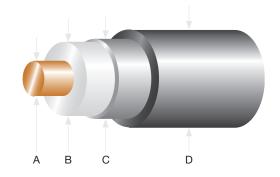


## RF Cable Specifications

		Min Bend		Diamet	er (mm)						
Cable Type	DIE Connector types Radius Insulator Jacket Loss dB/M @	Frequency Range	Comments								
0.81mm	u.FL, IPEX	3.24	0.15	0.4	0.65	0.81	PFA	PFA	4.4	to 6GHz	Internal antenna pigtails
1.13mm	u.FL, IPEX, SMA, FME, SMB, TNC, MMCX	4.5	0.24	0.68	0.9	1.13	FEP	FEP	3.2	to 6GHz	Most popular cable for internal use. Internal antenna pigtails, internal to bulkhead connector cable.
RG178	IPEX, MMCX, MCX, SMA, FME	9	0.31	0.86		1.8	FEP	FEP	2.6 @1.8GHz	to 6GHz	
RG174	SMA, SMB, MMCX, MCX, FME, TNC	10.5	0.48	1.55		2.7	XLPE	PVC	1.175 @1GHz	to 6GHz	This is the most popular cable for GPS and GSM antennas. Low temp spec.
RG58	SMA, SMB, TNC, N-Type	20	19 x 0.18	2.95		4.95	PE	PVC	1.06 @2.4GHz	to 6GHz	Standard RF cable for outside use.

## Low Loss Cables

LLC100A	SMA, SMB, MMCX, MCX, FME, TNC	6.4	0.46	1.52	2.11	2.79	Solid PE	PVC	1.15	to 6GHz	Low loss version of RG174 and much more flexible
LLC200A	SMA, SMB, TNC, N-Type	20	10.2	2.9	3.4	5	Foam PE	PVC	0.15 @200MHz	to 6GHz	Low loss version of the standard RG58.



FEP	Fluorinated Ethylene Propylene
PE	Polyethylene
PFA	Perfluoroalkoxy
PTFE	Polytetrafluoroethylene
PVC	Poly Vinyl Chloride
XLPE	Cross Linked Poly Ethylene

u.FL and II	PEX Connectors:
u.FL	Four types depending on cable size.
IPEX	There are 4 sizes - MHF, MHF2, MHF3, MHF4 (smallest). Dictated by cable size. Std is MHF 2.5mm height.

See reverse for part numbering nomenclature.

## **Siretta RF Cable Assembly Part Numbering**

ZY = IPEX

 $X\Delta = SMA$  Female Bulkhead

with O Ring

XXX X/XX XXXX X/XX XXXX Cable Part Number Connector 2 0000 = Length in cm ASM = Siretta Cable A = SMA Male A = SMA Male 174S = RG174 Cable Assembly Parts B = SMA Female B = SMA Female 058S = RG58 Cable C = SMA Male RP C = SMA Male RP 113S = 1.13mm Cable D = SMA Female RP D = SMA Female RP 174L = LLC100 Low Loss Cable E = FME Male E = FME Male 058L = LLC200 Low Loss Cable F = FME Female F = FME Female 081S = 0.81mm Cable G = uFLG = uFL178S = RG178 Cable H = Stripped and Tinned H = Stripped and Tinned K = MMCX Male RA K = MMCX Male RA L = MMCX Male L = MMCX Male M = SMB Female M = SMB Female N = N Type Female N = N Type Female R = N Type Male R = N Type Male S = SMA Male RA S = SMA Male RA T = MCXT = MCXV = Fakra Red V = Fakra Red W = Fakra Blue W = Fakra Blue X = SMA Female Bulkhead X = SMA Female Bulkhead Y = FME Male Bulkhead Y = FME Male Bulkhead ZA = TNC Female Bulkhead ZA = TNC Female Bulkhead 7B = TNC Female **7B** = TNC Female ZE = SMB Male Bulkhead ZE = SMB Male Bulkhead ZF = SMB Female Bulkhead ZF = SMB Female Bulkhead ZG = TNC Male ZG = TNC Male ZL = SMB Female RA ZL = SMB Female RA ZM = MMCX Female ZM = MMCX Female ZN = SMA Female Bulkhead RP ZN = SMA Female Bulkhead RP ZS = Fakra Red Bulkhead ZS = Fakra Red Bulkhead ZU = TNC Male RP Bulkhead ZU = TNC Male RP Bulkhead ZZ = SMB Male RA ZZ = SMB Male RA

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In House Use

XX = In House Use

Example: ASM A 050 X 174S 11 - SMA Male Connector to SMA Female Bulkhead Connector, 50cm RG174 Cable Assembly

ZY = IPEX

 $X\Delta = SMA$  Female Bulkhead

with O Ring