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.

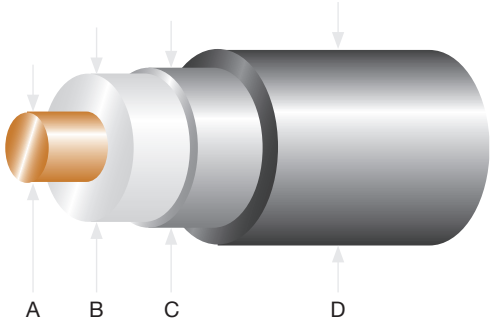
Siretta
Inspired Wireless M2M Technology

RF Cable Specifications

Cable Type	Connector types	Min Bend Radius (mm)	Diameter (mm)				Insulator Material	Jacket Material	Loss dB/M	Frequency Range	Comments
			A Core	B Insulator	C Shield	D Jacket					
0.81mm	u.FL, IPEX	3.24	0.15	0.4	0.65	0.81	PFA	PFA	4.4 @ 2GHz	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 @ 2GHz	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	0.46	1.52		2.79	PE	PVC	109 @1.8GHz dB/100m	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 IPEX 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

XXX	X/XX	XXXX	X/XX	XXXX	XX
Cable Part Number	Connector 1	Cable Length	Connector 2	Cable Type	In House Use
ASM = Siretta Cable Assembly Parts	A = SMA Male B = SMA Female C = SMA Male RP D = SMA Female RP E = FME Male F = FME Female G = uFL H = Stripped and Tinned K = MMCX Male RA L = MMCX Male M = SMB Female N = N Type Female R = N Type Male S = SMA Male RA T = MCX V = Fakra Red W = Fakra Blue X = SMA Female Bulkhead Y = FME Male Bulkhead ZA = TNC Female Bulkhead ZB = TNC Female ZE = SMB Male Bulkhead ZF = SMB Female Bulkhead ZG = TNC Male ZL = SMB Female RA ZM = MMCX Female ZN = SMA Female Bulkhead RP ZS = Fakra Red Bulkhead ZU = TNC Male RP Bulkhead ZZ = SMB Male RA ZY = IPEX XΔ = SMA Female Bulkhead with O Ring	0000 = Length in cm	A = SMA Male B = SMA Female C = SMA Male RP D = SMA Female RP E = FME Male F = FME Female G = uFL H = Stripped and Tinned K = MMCX Male RA L = MMCX Male M = SMB Female N = N Type Female R = N Type Male S = SMA Male RA T = MCX V = Fakra Red W = Fakra Blue X = SMA Female Bulkhead Y = FME Male Bulkhead ZA = TNC Female Bulkhead ZB = TNC Female ZE = SMB Male Bulkhead ZF = SMB Female Bulkhead ZG = TNC Male ZL = SMB Female RA ZM = MMCX Female ZN = SMA Female Bulkhead RP ZS = Fakra Red Bulkhead ZU = TNC Male RP Bulkhead ZZ = SMB Male RA ZY = IPEX XΔ = SMA Female Bulkhead with O Ring	174S = RG174 Cable 058S = RG58 Cable 113S = 1.13mm Cable 174L = LLC100 Low Loss Cable 058L = LLC200 Low Loss Cable 081S = 0.81mm Cable 178S = RG178 Cable	XX = In House Use

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