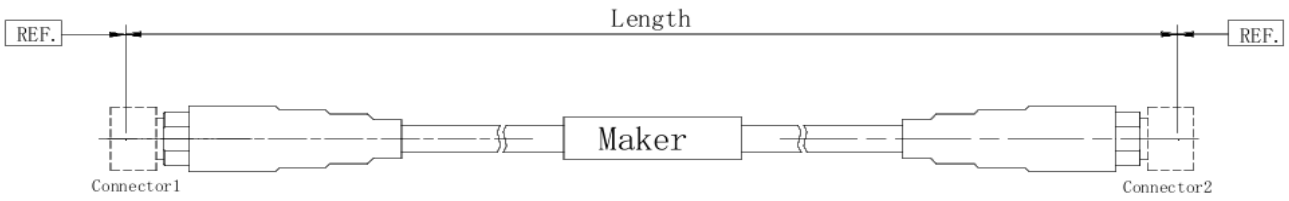
Synergy Telecom P Ltd.

SMA TO SMA CABLE



A widely application in microwave,wireless communication systems and the other electronic equipments.With the features of low loss,low VSWR,excellent shieding effectiveness light weight,excellent construction stability.

P/N	SY05SMAMM018/. ....
Description:	**SMA(Male) RA to SMA RA (Male) on 2519205 A cable**

Connector

	Connector 1	**Connector 2**
Connector type	SMA Male RA	SMA Male RA
Center conductor	Beryllium Copper Gold Plated	Beryllium Copper Gold Plated
Dielectric	PEI &PTFE	PEI &PTFE
Outer conductor	SU303F, Polished & Passivated	SU303F, Polished & Passivated

CABLE

PN	Flexible Cable 2519205A	
Outer diameter	FEP	5.21±0.13
Outer Sheild	Silver Plated Copper braid	4.42mm
Inner Shield	Silver Plated Copper Tape	4.19mm
Dielectric constant	Low Density PTFE	3.99mm
Center conductor diameter	Silver Plated Copper Solid	1.45mm

Cable Assembly

Characteristic Impedance	50Ω		
Operation Frequency	18GHz		
Cut-off Frequency	20GHz		
Shielding effectiveness	>90dB @ 18 Ghz		
Velocity of Propagation	83%		
Propagation Time	3.8ns/m		
Capacitance	80.4pF/m		
Insulation Resistance	> 3 x 10^6 M Ω/m		
Voltage Withstand	2000 V, DC		
Corona Extinction Voltage	> 3.3 KV		
Bend Radius Installation	25mm		
Bend Radius Repeated	130mm		
Phase Stability vs. Flexure	5º		
Phase Stability with temperature	<1º/m/Ghz (-55 to 120 ºC)		
Phase Stability with Bending	<0.4º/360º/Ghz		
Attenuation stability with shaking	< 0.01 dB/m @ 18 Ghz		
Weight	2.1 KG		
VSWR	18 Ghz	1.25	
Insertion loss（dB max） @GHz	**Freq(Ghz)**	**dB/m(including connector)**	**Power(watt)**
	1	0.26	850
	2	0.38	610
	5	0.52	350
	6	0.54	320
	8	0.66	295
	10	0.70	270
	12	0.87	216
	18	1.05	100

Environment

Operating temperature range（℃）	,-55 ºC-+165 ºC
ROHS	YES
File Resistance	YES

WZ-47, BUDHELLA VILLAGE, VIKASPURI NEW DELHI-110018
Phone- 91-11-28533349, Mobile-91-9810138894
Email- info@synergytpl.com, Website: http://www.rfconnector.in, http://rfconnectorhouse.com