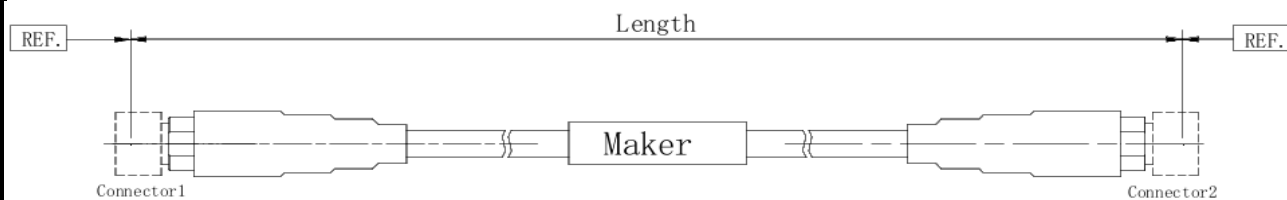


# Synergy Telecom P Ltd.

## 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 shiuding effectiveness light weight,excellent construction stability.

<b>P/N</b>	SY05SMAMM018/.....
<b>Description:</b>	SMA(Male) to SMA(Male) on 2519205 A cable

Connector		
	Connector 1	Connector 2
<b>Connector type</b>	SMA Male	SMA Male
<b>Center conductor</b>	Beryllium Copper Gold Plated	Beryllium Copper Gold Plated
<b>Dielectric</b>	PEI & PTFE	PEI & PTFE
<b>Outer conductor</b>	SU303F, Polished & Passivated	SU303F, Polished & Passivated

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

Cable Assembly			
<b>Characteristic Impedance</b>	50Ω		
<b>Operation Frequency</b>	18GHz		
<b>Cut-off Frequency</b>	20GHz		
<b>Shielding effectiveness</b>	>90dB @ 18 Ghz		
<b>Velocity of Propagation</b>	83%		
<b>Propagation Time</b>	3.8ns/m		
<b>Capacitance</b>	80.4pF/m		
<b>Insulation Resistance</b>	> 3 x 10 <sup>6</sup> M Ω/m		
<b>Voltage Withstand</b>	2000 V, DC		
<b>Corona Extinction Voltage</b>	> 3.3 KV		
<b>Bend Radius Installation</b>	25mm		
<b>Bend Radius Repeated</b>	130mm		
<b>Phase Stability vs. Flexure</b>	5°		
<b>Phase Stability with temperature</b>	<1°/m/Ghz (-55 to 120 °C)		
<b>Phase Stability with Bending</b>	<0.4°/360°/Ghz		
<b>Attenuation stability with shaking</b>	< 0.01 dB/m @ 18 Ghz		
<b>Weight</b>	2.1 KG		
<b>VSWR</b>	18 Ghz	1.25	
<b>Insertion loss (dB max) @Ghz</b>	<b>Freq(Ghz)</b>	<b>dB/m(including connector)</b>	<b>Power(watt)</b>
	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	
<b>Operating temperature range (°C)</b>	,-55 °C-+165 °C
<b>ROHS</b>	YES
<b>File Resistance</b>	YES

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