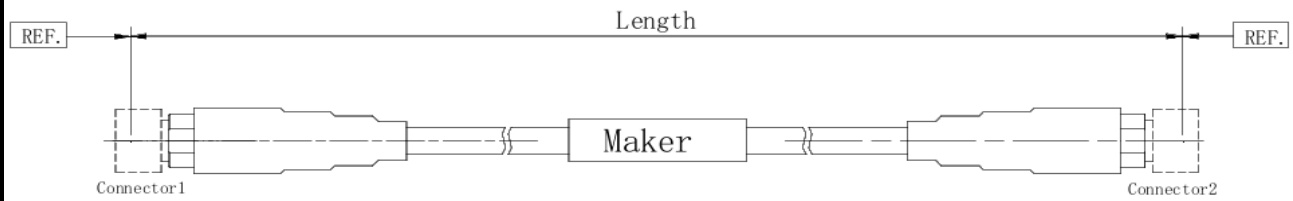


Synergy Telecom P Ltd.

SMA TO TNC CABLE



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

P/N	SY05SMATNCMM018/.
Description:	SMA(Male) to TNC (Male) on 2519205 A cable

Connector		
	Connector 1	Connector 2
Connector type	SMA Male	TNC Male
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 Shield	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	5°		
Phase Stability with temperature	<1°/m/Ghz (-55 to 120 °C)		
Phase Stability with Bending	<0.4°/360°/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 (°C)	,-55 °C-+165 °C
ROHS	YES
File Resistance	YES

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