



SOLVANG TECHNOLOGY INC.

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40GHZ 2.92MM MALE TO 2.92MM MALE

FOR 97 SERIES CABLE ASSEMBLY

P/NO.STI03-9701-XX



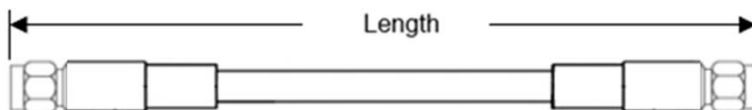
SPECIFICATION

Frequency	DC-40GHz
VSWR:	1.3:1(Max.)
Impedance:	50Ohm
Durability:	500 Cycles
Connection 1:	2.92mm Male
Connection 2:	2.92mm Male
RF Cable:	97 Series Flexible Coaxial Cable
Cable Overall Diameter:	3.6mm

MATERIAL LIST

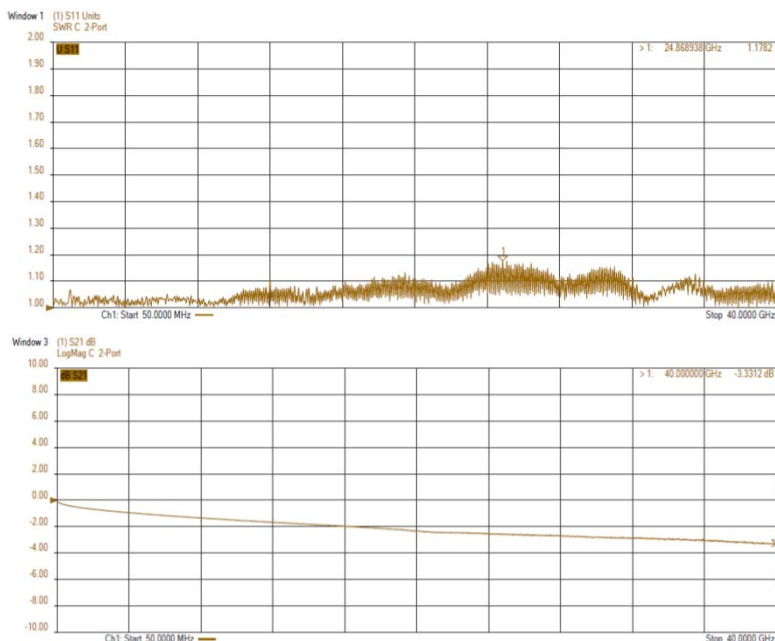
Part	Material	Plated
Connector Body	Stainless Steel	
Center Pin	Beryllium Copper	Gold
Insulator	Teflon	

OUTLINE DRAWING



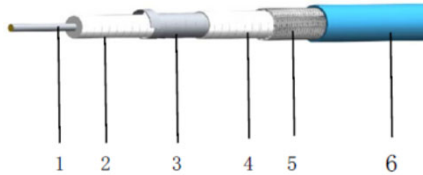
TESTING DATA (100% S-PARAMETER TESTED)

100cm:



Any more request, please contact sales@solvangtech.com. Thank you ~

LOW LOSS 97 SERIES CABLE



SPECIFICATION

Max. Operating Frequency	50GHz
Impedance:	50Ohm
Velocity of Propagation:	74%
Shielding Effectiveness:	90dB(min.)
Min. Bend Radius :	18mm
Repeated Bend Radius:	36mm
Mechanical Phase Stable:	±8°
Amplitude Stable:	±0.2dB
Operating Temperature:	-55~165°C

MATERIAL LIST

Part	Material	Diameter
Inner Conductor	Silver Plated Copper	0.72±0.02mm
Dielectric	PTFE	2.21mm
Outer Conductor	Flat Silver Plated Copper Strip	2.38~2.45mm
Interlayer	PTFE	2.8mm
Outer Shield	Silver Plated Copper Braid	3.14~3.25mm
Jacket	FEP	3.6±0.10mm

ATTENTION

MHz	dB/m
300	0.24
1000	0.44
3000	0.76
6000	1.09
10000	1.42
18000	1.92
26500	2.35
40000	2.92
50000	3.29

POWER

MHZ	W
300	750
1000	409
3000	235
6000	165
10000	127
18000	93
26500	76
40000	61
50000	23

*Phase Change vs. Temperature

