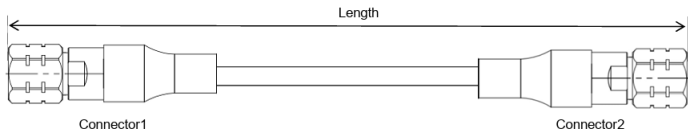


DC-67 GHz, 1.85mm Male to 1.85mm Male

Precision Phase Stable Test Cable Assembly, Using SRFSP230P



· Length can be in meter or in inch etc, e.g., SRFSP230P-185M185M-1M. Standard length tolerance: $\pm 1.5\%$. Custom lengths and other connector types available.

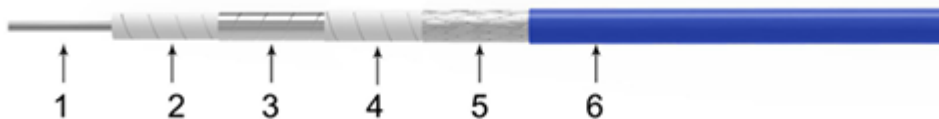
· Length is measured from one connector end to the other connector end as shown above. For RA connectors, use the pin centerline.

Configuration

Connector1	1.85mm male	Connector 2	1.85mm male
Body	Passivated stainless steel	Body	Passivated stainless steel.
Center Contact	Gold plated BeCu	Center Contact	Gold plated BeCu
Cable PL230P			

Cable Construction

	Construction	Size(mm)	Materials
1	Center Conductor	0.51	Solid silver-plated copper
2	Dielectric	1.60	Low density PTFE
3	Outer Conductor	1.70	Silver-plated copper tape wraps
4	Interlayer	2.00	Low density PTFE
5	Outer Shield	2.25	Silver-plated copper wire braid
6	Inner Jacket	2.60	FEP





DC-67 GHz, 1.85mm Male to 1.85mm Male

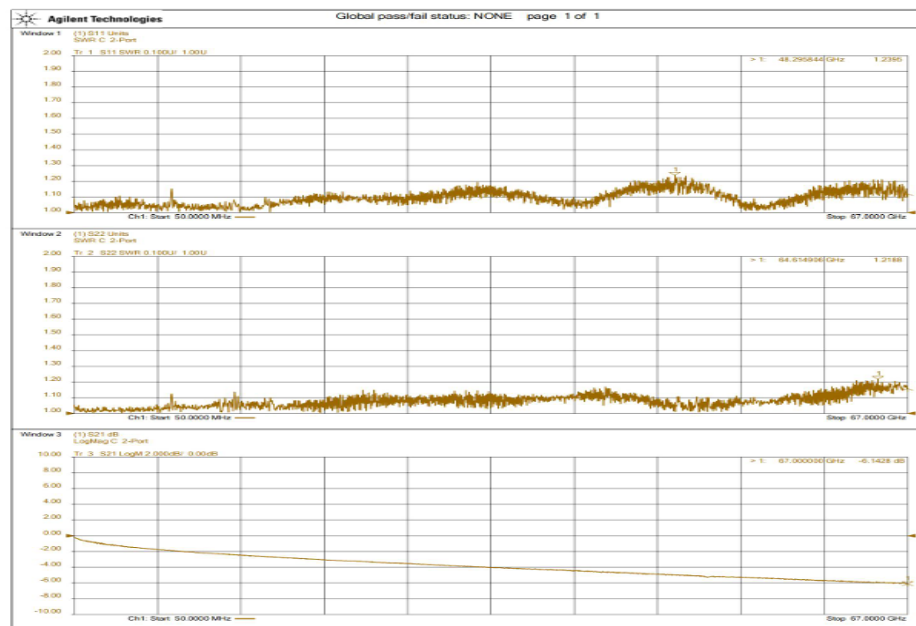
Precision Phase Stable Test Cable Assembly, Using SRFSP230P

Electrical & Mechanical Specifications	
Frequency	DC-67 GHz
Impedance	50 Ω Min.
Min. Bending Radius Static	13mm
Bending Radius Repeated	26mm
VSWR	Max 1.4
Velocity of Propagation	74%
IL Max(1 meter assembly)	7.1dB
*Mechanical Phase Stability	<±7°
Amplitude Stability vs Shaking <±0.15dB	<±0.15dB
Temperature (Operation)	-50 ~ 85 °C
Temperature (Storage)	-60 ~ 85 °C

Frequency MHz	1000	2000	4000	6000	8000	10000	12000	18000	26500	40000	50000	67000
dB/100 Meter	63.1	90.1	129.1	159.7	186.0	209.5	231.0	287.7	355.9	448.0	508.5	601.9
Avg. Power kW	0.271	0.190	0.132	0.107	0.092	0.082	0.074	0.059	0.048	0.038	0.034	0.029

Attenuation at any frequency = [1.95000×SQRT(MHz)]+[0.001450×FMHz]

Typical Test Data:



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