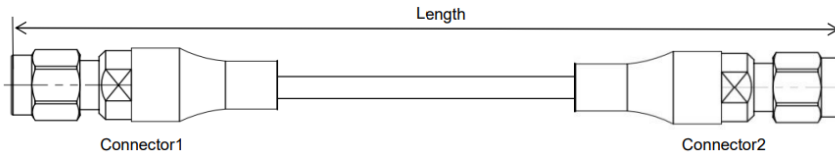


## DC-110 GHz, 1.0mm Male to 1.0mm Male Armored Bench Test Cable Assembly, Using PL180P

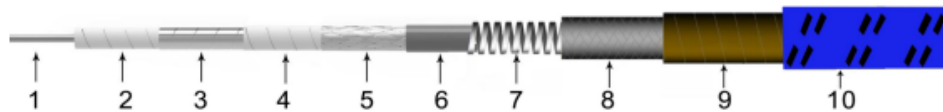


- Length can be in meter or in inch etc, e.g, PL180P-1M1M-10CM-A. Standard length tolerance:  $\pm 1.5\%$ . Custom lengths and other connector types available.
- Length is measured from one connector end to the other connector end as shown above. For RA connectors, use the pin center-line..

### Configuration

Connector1	1.85mm male	Connector 2	1.85mm male
Body	Passivated stainless steel	Body	Passivated stainless steel
Center Contact	Gold plated brass	Center Contact	Gold plated brass
Cable Type	PL180P with Armor		

### Cable and Armor Construction



No.	Construction	Materials
1	Center Conductor	Solid silver-plated copper
2	Dielectric	Low density PTFE
3	Outer Conductor	Silver-plated copper tape wraps
4	Interlayer	Low density PTFE
5	Outer Shield	Silver-plated copper wire braid
6	Inner Jacket	FEP
7	Crush Resistance Layer	Stainless steel spirals
8	Strengthening Layer	Silver plated copper braid
9	Waterproof Layer	PTFE Binder
10	Armor Jacket	Braiding PTFE

# SRFS TELEINFRA



## DC-110 GHz, 1.0mm Male to 1.0mm Male Armored Bench Test Cable Assembly, Using PL180P

Electrical & Mechanical Specifications	
Frequency	DC-110 GHz
Impedance	50 Ω
Min. Bending Radius Static	20mm
Min. Bending Radius Repeated	40mm
VSWR	1.45
Velocity of Propagation	82%
IL Max(10 cm assembly)	2.6dB
Flex Life Min	20000 cycles
*Mechanical Phase Stability	<±12°@110GHz
Amplitude Stability vs Shaking	<±0.2dB@110GHz
Temperature(Operation)	-50~85 °C
Temperature(Storage)	-60~85 °C

Frequency MHz	300	1000	2000	3000	6000	12000	16000	18000	26500	40000	67000	110000
dB/100	0.6	1.1	1.6	2.0	2.8	4.0	4.7	5.0	6.1	7.6	10.0	13.1
Avg. Power kW	61.0	33.0	24.0	19.0	14.0	10.0	8.0	8.0	6.0	5.0	4.0	3.0
Attenuation at any frequency = [3.557846×SQRT(FMHz)]+[0.001221×FMHz]												

### Typical Test Data:

