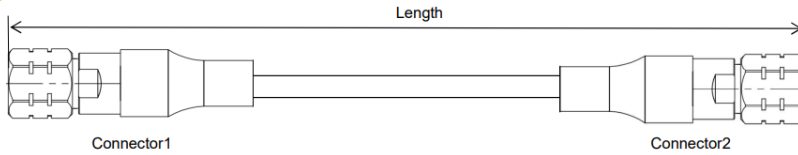


# SRFS TELEINFRA



## DC-67 GHz, 1.85mm Male to 1.85mm Male Armored Bench Test Cable Assembly, Using PL230P



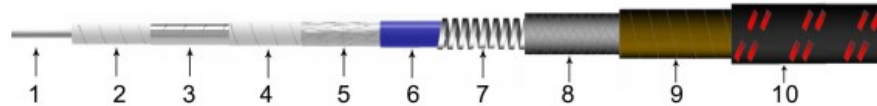
· Length can be in meter or in inch etc, e.g, PL230P-185M185M-1.5M-A. Standard length tolerance:  $\pm 1.5\%$ . Custom lengths and other connector types available.

· Length is measured from one connector end to the other connector end as shown above. For RA connectors, use the pin 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 Type	PL230P	Armor	AL640

### Cable and Armor Construction



No.	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
7	Crush Resistance Layer	4.80	Stainless steel spirals
8	Strengthening Layer	5.35	Silver plated copper braid
9	Waterproof Layer	5.40	PTFE Binder
10	Armor Jacket	6.40	Braiding PTFE( red black or other colors available)

## DC-67 GHz, 1.85mm Male to 1.85mm Male Armored Bench Test Cable Assembly, Using PL230P

Electrical & Mechanical Specifications	
Frequency	DC-67 GHz
Impedance	50 Ω Min.
Min. Bending Radius Static	32mm
Bending Radius Repeated	64mm
VSWR	Max 1.4
Velocity of Propagation	74%
IL Max(1 meter assembly)	7.1dB
Flex Life Min	20000 cycles
*Mechanical Phase Stability	<±7°
Amplitude Stability vs Shaking	<±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 =  $[1.95000 \times \text{SQRT}(\text{FMHz})] + [0.001450 \times \text{FMHz}]$

### Typical Test Data:

