

## PS-10-MM-xx / PS-10-MF-xx

Somefly's low loss stable amplitude and phase testing component adopts a highly reliable and ultra-low loss microporous PTFE wrapped tape insulated cable, with silver plated copper tape weaving and silver-plated copper wire double-layer shielding, adding an intermediate stable layer, and a bending life of over 1 million times. The armor is made of dual color PTFE braided tape with a waterproof layer, protected by stainless steel hoses, resistant to pressure, and wrapped in imitation. Stainless steel connector body, frequency up to 110GHz.



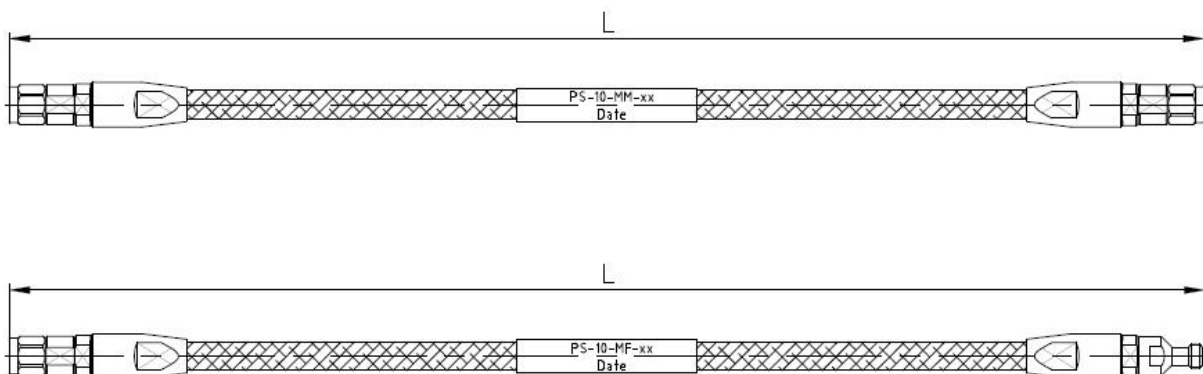
## Technical data

Electrical data	
Impedance	50 Ω
Frequency range	1.30@DC-67; 1.40@110GHz
VSWR	1.4:1
Typical Mechanical Amplitude	±0.1dB@DC-67GHz; ±0.2dB@110GHz
Typical Mechanical Phase	±10° @DC-67GHz; ±12° @110GHz
Velocity of Propagation	70%
Shielding Effectiveness (dB)	>90dB
Insertion Loss (dB/m)	15.82dB/m
Mechanical data	
Coupling nut torque Recommended	0.9 Nm
Durability (mating)	≥ 50000
Environmental data	
Temperature range	-55 to +85 °C

## Order Number

Part Number	Left connector	Right connector	Length
PS-10-MM-03in	Male	Male	3"
PS-10-MF-03in	Male	Female	6"
PS-10-MM-06in	Male	Male	12"
PS-10-MF-06in	Male	Female	3"
PS-10-MM-12in	Male	Male	6"
PS-10-MF-12in	Male	Female	12"

## Mechanical Outline



### Test Report

