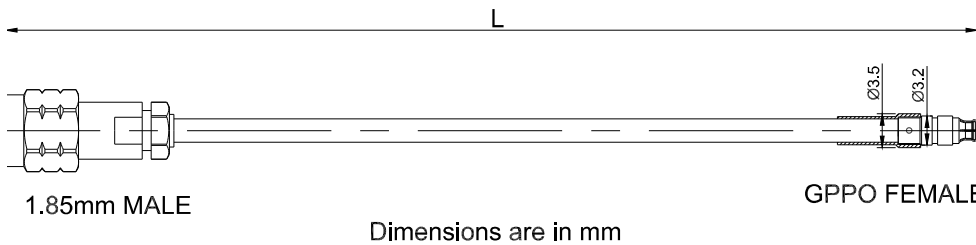


1.85mm Male to GPPO Female Cable Using 3506 Series Low Loss Phase P/N: FRU2-185MGPPF-XXX Stable Flexible Coax, DC-65GHz



Product Configuration

Connector 1 Series	1.85mm
Connector 1 Polarity	Standard
Connector 1 Gender	Male
Connector 1 Impedance (Ohm)	50
Connector 1 Mount Method	None
Connector 1 Body Style	Straight
Connector 2 Series	GPPO(Mini-SMP)
Connector 2 Polarity	Standard
Connector 2 Gender	Female
Connector 2 Impedance (Ohm)	50
Connector 2 Mount Method	None
Connector 2 Body Style	Straight
Coax Cable	3506

Mechanical Data

Connector 1 Body Material	Stainless Steel
Connector 1 Body Plating	Passivated
Connector 2 Body Material	Beryllium Copper
Connector 2 Body Plating	Gold
Out Diameter	2.2mm
Min. Bending Radius	6mm
Mating Cycles, Min	≥500

1.85mm Male to GPPO Female Cable Using 3506 Series Low Loss Phase Stable Flexible Coax, DC-65GHz

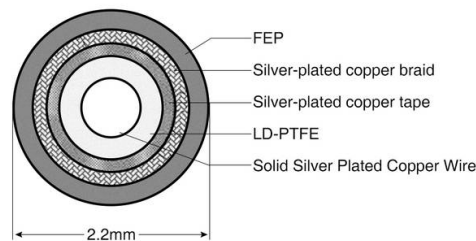
P/N: FRU2-185MGPPF-XXX

Environmental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-40°C to +155°C
MIL/STD	N/A

Cable Specifications

Description	Parameter
Center Conductor	Silver plated copper wire
Dielectric	LD-PTFE
Inner Conductor	Silver-plated copper tape
Outer Conductor	Silver-plated copper braid
Jacket	FEP
Jacket Diameter(mm)	2.2
Capacitance(pF/m)	94
Velocity of propagation(%)	82
Min. bending radius(mm)	6
Shielding Effectiveness	> 90dB @ 1GHz



Part Number List

Part Number	Length(mm)	Frequency	Insertion Loss ≤ (dB)				Return Loss/VSWR
			20GHz	40GHz	50GHz	65GHz	
FRU2-185MGPPF-1000	1000±10	DC-65GHz	3.62	5.32	6.11	7.23	13dB
FRU2-185MGPPF-800	800±5	DC-65GHz	3.04	4.42	5.08	6.01	13dB
FRU2-185MGPPF-600	600±5	DC-65GHz	2.36	3.46	4.03	4.76	13dB
FRU2-185MGPPF-500	500±5	DC-65GHz	2.05	2.98	3.51	4.13	13dB
FRU2-185MGPPF-300	300±3	DC-65GHz	1.39	2.06	2.44	2.87	13dB
FRU2-185MGPPF-260	260±3	DC-65GHz	1.25	1.92	2.23	2.61	13dB
FRU2-185MGPPF-200	200±3	DC-65GHz	1.12	1.54	1.92	2.24	13dB
FRU2-185MGPPF-100	100±3	DC-65GHz	0.73	1.12	1.39	1.61	13dB

Note: Phase Matching is available by request.