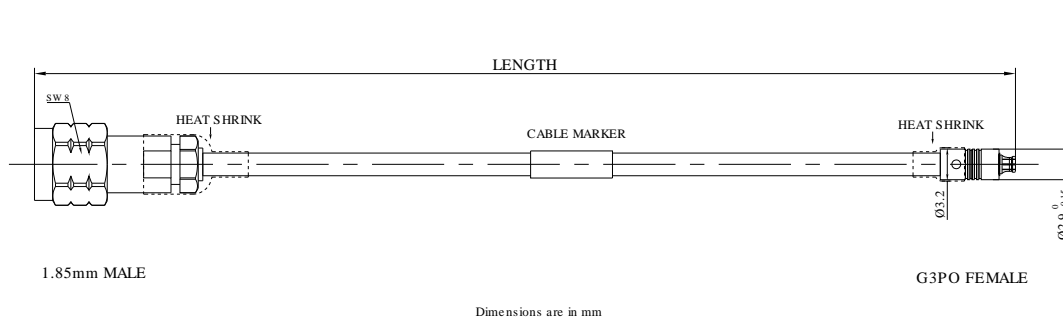


1.85mm Male to G3PO (SMPS) Female Cable Using 3506 Series Low Loss Phase Stable Flexible Coax, DC - 67GHz

P/N: FRU2-185MG3PF-XXX



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	G3PO(SMPS)
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

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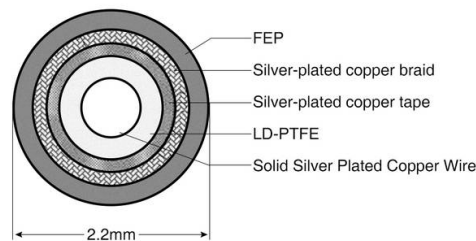
P/N: FRU2-185MG3PF-XXX

Environmental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-40 °C to +80 °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)				VSWR
			5GHz	10GHz	20GHz	40GHz	
FRU2-185MG3PF-1000	1000±10	DC-67GHz	1.70	2.50	3.62	5.32	10dB to 67GHz
FRU2-185MG3PF-800	800±5	DC-67GHz	1.40	2.06	3.04	4.42	10dB to 67GHz
FRU2-185MG3PF-600	600±5	DC-67GHz	1.09	1.64	2.36	3.46	10dB to 67GHz
FRU2-185MG3PF-500	500±5	DC-67GHz	0.95	1.38	2.05	2.98	10dB to 67GHz
FRU2-185MG3PF-300	300±3	DC-67GHz	0.65	0.96	1.39	2.06	10dB to 67GHz
FRU2-185MG3PF-260	260±3	DC-67GHz	0.59	0.87	1.25	1.92	10dB to 67GHz
FRU2-185MG3PF-200	200±3	DC-67GHz	0.51	0.74	1.12	1.54	10dB to 67GHz
FRU2-185MG3PF-100	100±3	DC-67GHz	0.35	0.52	0.73	1.12	10dB to 67GHz

Note: Phase Matching is available by request.