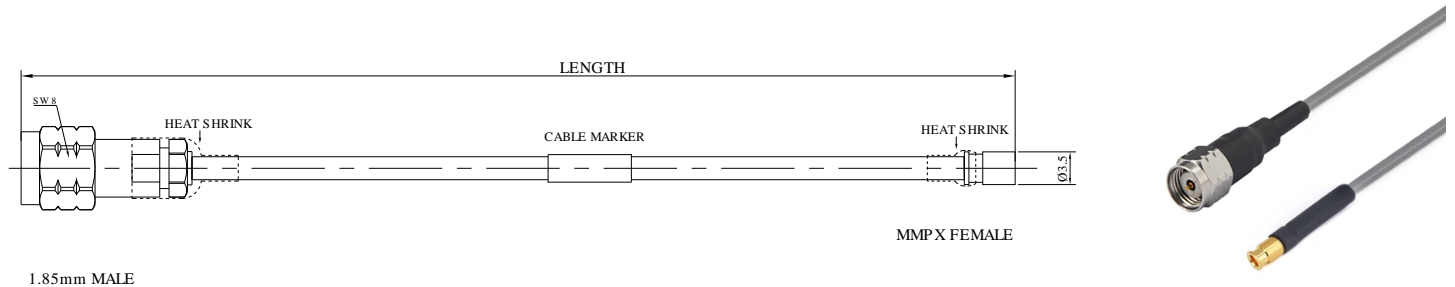


1.85mm Male to MMPX Female Cable Using 3506 Series Low Loss Phase P/N: FRU2-185MMMPXF-XXX Stable Flexible Coax, DC - 67GHz



1.85mm MALE

MMPX FEMALE

Dimensions are in mm

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	MMPX
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	Brass
Connector 2 Body Plating	Gold
Out Diameter	2.2mm
Min. Bending Radius	6mm
Mating Cycles, Min	≥500

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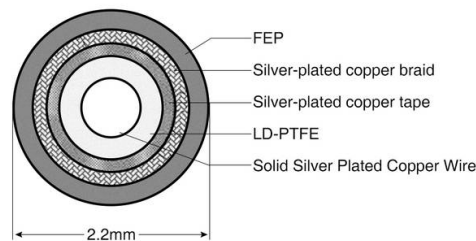
P/N: FRU2-185MMMPXF-XXX

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
			10GHz	18GHz	40GHz	67GHz	
FRU2-185MMMPXF-1500	1500±10	DC-67GHz	3.97	5.13	7.48	9.73	10dB to 67 GHz
FRU2-185MMMPXF-1000	1000±10	DC-67GHz	2.92	3.69	5.26	6.76	10dB to 67 GHz
FRU2-185MMMPXF-500	500±5	DC-67GHz	1.87	2.26	3.04	3.79	10dB to 67 GHz
FRU2-185MMMPXF-200	200±3	DC-67GHz	1.24	1.40	1.71	2.01	10dB to 67 GHz
FRU2-185MMMPXF-100	100±3	DC-67GHz	1.03	1.11	1.27	1.42	10dB to 67 GHz

Note: Phase Matching is available by request.