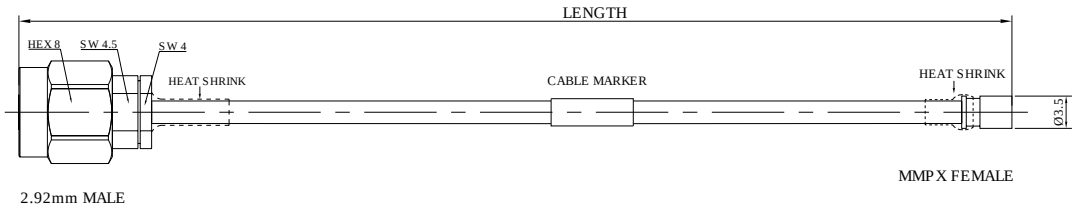
P/N: FRU2-292MMMPXF-XXX

2.92mm Male to MMPX Female Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | DC - 40GHz





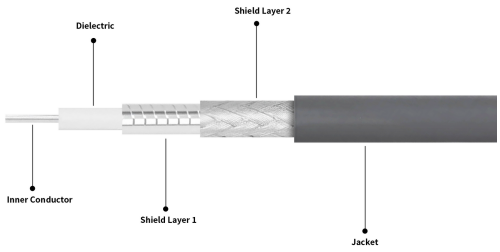
Dimensions are in mm

Connectors Configuration

	Connector 1	Connector 2
Connector Series	2.92mm	MMPX
Connector Polarity	Standard	Standard
Connector Gender	Male	Female
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Brass
Connector Body Plating	Passivated	Gold

Cable Configuration

Cable Type	GT3506 flexible cable
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper Wire
Dielectric Material	LD-PTFE
Number of Shields	2
Shield Layer 1 Material	Silver Plated Copper Tape
Shield Layer 2 Material	Silver Plated Copper Braid
Jacket Material	FEP
Cable Diameter (mm)	2.2
Cable Color	Gray
Minimum Bend Radius (mm)	11
Capacitance (pF/m)	94
Velocity of Propagation	82%
Shielding Effectiveness	< -100dB @ 1GHz



Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 40GHz	14dB to 40GHz	1.12 to 40GHz
200	±3			1.54 to 40GHz
300	±3			2.06 to 40GHz
500	±5			2.98 to 40GHz
800	±5			4.42 to 40GHz
1000	±10			5.32 to 40GHz
1500	±15			7.52 to 40GHz
2000	±20			9.75 to 40GHz

Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-55 ºC to +125 ºC

Revision History

Version	Description	Prepared By	Approved By	Date
V1.0	Initial release	Grimm	Hebe	2024-01-01