

RF Cable Assemblies

1. Specification

Table #1

Sr. No.	Parameter	Indent Specifications	Offered Value	Compliance (Yes/No/Explain)
1.1	Operating Frequency (GHz)	0.2 to 40 GHz		
1.2	Impedance (Ohm)	50 Ω		
1.3	Minimum Bending Radius (mm)	≤ 40 mm		
1.4	Measured Insertion loss (dB/ft) @40 GHz	1.0 max		
1.5	Phase Stability vs. Flexure (360°, Dia. approx. 76 mm)	≤ ±6° @18 GHz		
1.6	Straight Connectors at both End (Stainless steel)	2.92 mm or K-type male		
1.7	VSWR Max	1.50:1		
1.8	Inner conductor	Solid wire silver plated		
1.9	Flexure cycles	10,000 min		
1.10	Shielding Effectiveness @40 GHz	≥ 90 dB		
1.11	Dielectric (Low/Ultra low Density Polytetrafluoroethylene)	LD/ULD-PTFE		
1.12	Jacket (Fluorinated Ethylene Propylene)	FEP		
1.13	Temperature range	0 to 50 °C		
1.14	Length	1 meter		
		2 meter		
		5 meter		
		1 Feet		
		2 Feet		
1.15	Slabs (Qty.)	1-5, 6-10, 11-15, 16-20		

2. Terms & Conditions

Sr. No.	Terms & Conditions	Offered Value	Compliance (Yes/No/Explain)
2.1	L1 will be decided based on over all quoted price.		
2.2	Vendor has to provide point by point compliance for specifications listed in table #1 (<i>with page number of data sheet/catalogue for the above specification</i>), terms & conditions in point 2 and Necessary Supporting Documents while bidding in point 3.		
2.3	Vendor should provide part number/model number with detailed product catalogue along with budgetary offer failing which offer will not be considered technically compliant and hence Vendor will not be considered as a qualified bidder.		
2.4	Vendor should provide the budgetary quote in slabs for each length of RF cable assemblies as requested.		
2.5	Quoted RF assemblies should have one-year standard warranty from OEM.		
2.6	Vendor should provide measured data along with the final product.		

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2.7	Vendor has to quote for new item only. Any refurbished item/part must not be quoted.		
2.8	Vendor, other than OEM, should provide necessary Authorization certificate from the OEM for quoting for this tender.		
2.9	Vendor must complete the supply the indented item within 20 weeks .		

3. Necessary Supporting Documents while bidding

Sr. No.	Terms & Condition	Offered Value	Compliance (Yes/No/Explain)
3.1	Vendor has to provide point by point compliance sheet for specifications listed in table #1 (<i>with page number of data sheet/catalogue for the above specification</i>), terms & conditions in point 2 and Necessary Supporting Documents while bidding in point 3.		
3.2	Part number/model number with detailed product catalogues/data sheet .		
3.3	Vendor, other than OEM, should provide necessary authorization certificate from the OEM.		