P1CA-29M29M-F150-120

RF flexible low loss test cable assembly, 2.92mm Male to 2.92mm Male, 0.15 inch diameter phase stable cable, 10 ft. Frequency DC to 40 GHz.

Product Features

P1CA-29M29M-F150-120 is a 50 Ohm RF Test Cable, 2.92mm male to 2.92mm male connectors using flexible F150 cable with an outer diameter of 0.15 inch.

The assembly is 10 feet, frequency range is DC to 40 GHz.
Insertion Loss for this 120 inch cable is 7.35 dB max and VSWR DC to 40 GHz is 1.30max.

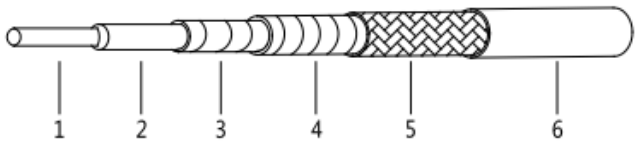
The 2.92 mm male connectors are passivated stainless steel.
The F150cable is a low loss, phase stable flexible test cable.



Mechanical And Environmental Specifications:

Parameter	Description	Notes
Connector 1	2.92mm Male	
Connector 2	2.92mm Male	
Length	120.0	
RoHS Compliance	Yes	

Graph



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Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	1.02	0.040
2. Dielectric	LD PTFE	2.85	0.112
3.Outer Conductor	Sprial Wrapped Silver Plated Copper Tape	3.06	0.120
4. Interlayer	PTFE	3.22	0.127
5. Outer shields	Silver Plated Copper Braid	3.67	0.144
6. Jacket	Gray FEP	3.80	0.150

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	81%
Operation Frequency (GHz)	40 GHz
Voltage Withstand (V.DC)	1000 V
Capacitance	82 pF/m
Sheilding Effectiveness	90 dB

Mechanical Characteristics

Min.Bending Radius (mm)	18
Cable Minimum Dynamic Bend Radius(mm)	36
Weight	37 g/m

Attenuation & Average Power @ 20℃ and Seal Leavel

Frequency(GHz)	Attenuation		Avg.Power (W)
	dB/1m	dB/1Ft	
0.3	0.173	0.05	940
1.0	0.319	0.10	511
2	0.455	0.14	359
4	0.649	0.20	251
6	0.801	0.24	203
8	0.931	0.28	175
10	1.047	0.32	156
12	1.153	0.35	141
14	1.251	0.38	130
18	1.430	0.44	114
26.5	1.761	0.54	93
40	2.205	0.67	74

Product Notes

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Bend radius: 0.7 inch (18mm).

Temp range -55 to +125 deg C.

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