

CAC Technology® Data Sheet

RF Coaxial Cable P/N: 36P1

Description

36P1

the LF PTFE of dielectric semi-rigid coaxial cable, high performance microwave cable.



Construction

Inner Conductor	① Silver Plated Copper	0.99mm ± 0.02
Dielectric	② LD PTFE	3.00 ± 0.05mm
Outer Conductor	③ Seamless Annealed Copper Tube	3.58 ± 0.05mm

Electrical Data

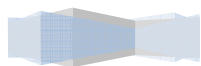
Impedance	50 ohm
Max. operating frequency	26.5 GHz
Velocity of signal propagation	76%
Shielding effectiveness	> 165 dB (@1 GHz)
Max. operating voltage	1300V

Mechanical Data

Weight	43g/ m
Min. bending radius	static 13 mm

Environmental Data

Temperature range	-60 °C ~ + 250 °C
2011/65/EU (RoHS)	compliant



Attenuation & CW Power

Frequency	Attenuation	Attenuation	CW Power
GHz	dB/100m	dB/100ft	W
1	31.27	9.53	581.57
2	44.58	13.59	407.99
3	54.93	16.74	331.12
4	63.75	19.43	285.31
5	71.59	21.82	254.06
6	78.74	24.00	231.00
7	85.36	26.02	213.08
8	91.56	27.91	198.65
9	97.42	29.69	186.69
10	103.00	31.39	176.58
11	108.33	33.02	167.89
12	113.46	34.58	160.31
13	118.40	36.09	153.62
14	123.17	37.54	147.66
15	127.80	38.95	142.32
16	132.30	40.32	137.48
17	136.67	41.66	133.08
18	140.94	42.96	129.05
19	145.11	44.23	125.34
20	149.18	45.47	121.92
21	153.17	46.69	118.75
22	157.07	47.88	115.79
23	160.91	49.04	113.03
24	164.67	50.19	110.45
25	168.37	51.32	108.02
26	172.01	52.43	105.74
26.5	173.80	52.98	104.65

Version	Drawn/date	Check/date
01	Jinyuan 2012.10.18	wangzhen 2012.10.19

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