

CAC Technology® Data Sheet

RF Coaxial Cable P/N: 47P3_FEP

Description

47P3_FEP

the double shield of Tape&Braid flexible coaxial cable, high performance microwave cable.



Construction

Inner Conductor	① Silver Plated Copper	1.44mm±0.02
Dielectric	② LD PTFE	4.00mm
Outer Conductor	③ Silver Plated Copper Tape	4.20mm
Braiding	④ Silver Plated Copper Braid	4.65±0.05
Jacket	⑤ FEP, Light Green	5.10±0.10

Electrical Data

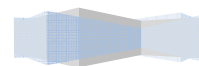
Impedance	50 ohm
Max. operating frequency	26.5 GHz
Velocity of signal propagation	83%
Shielding effectiveness	> 90 dB (@1 GHz)
Max. operating voltage	3000V

Mechanical Data

Weight	52g/ m
Min. bending radius	static 25 mm
	dynamic 50 mm

Environmental Data

Temperature range	-55 °C ~ + 165 °C
2011/65/EU (RoHS)	compliant



Attenuation & CW Power

Frequency	Attenuation	Attenuation	CW Power
GHz	dB/100m	dB/100ft	W
1	23.06	7.03	832.27
2	32.81	10.00	584.82
3	40.38	12.31	475.23
4	46.81	14.27	409.91
5	52.52	16.01	365.34
6	57.72	17.59	332.46
7	62.52	19.06	306.90
8	67.02	20.43	286.30
9	71.27	21.72	269.25
10	75.30	22.95	254.82
11	79.15	24.13	242.41
12	82.85	25.25	231.59
13	86.41	26.34	222.05
14	89.85	27.39	213.54
15	93.19	28.40	205.91
16	96.42	29.39	199.00
17	99.57	30.35	192.72
18	102.63	31.28	186.96
19	105.62	32.19	181.67
20	108.54	33.08	176.78
21	111.40	33.95	172.25
22	114.20	34.81	168.03
23	116.94	35.64	164.08
24	119.63	36.46	160.39
25	122.28	37.27	156.92
26	124.87	38.06	153.66
26.5	126.16	38.45	152.10

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

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