

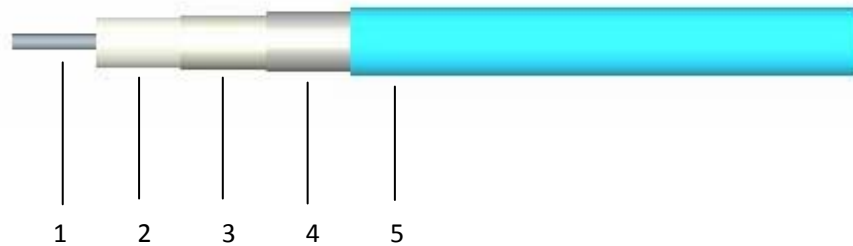
CAC Technology® Data Sheet

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

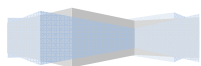
Impedance	50 ohm
Max. operating frequency	26.5 GHz
Velocity of signal propagation	83%
Shielding effectiveness	> 90 dB (@1 GHz)
Max. operating voltage	2500V

Mechanical Data

Weight	62g/ 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	24.10	7.34	796.28
2	34.30	10.45	559.40
3	42.22	12.87	454.49
4	48.95	14.92	391.96
5	54.93	16.74	349.30
6	60.37	18.40	317.81
7	65.41	19.94	293.35
8	70.12	21.37	273.64
9	74.57	22.73	257.31
10	78.80	24.02	243.50
11	82.84	25.25	231.63
12	86.72	26.43	221.27
13	90.45	27.57	212.13
14	94.06	28.67	203.99
15	97.56	29.74	196.69
16	100.95	30.77	190.08
17	104.25	31.77	184.06
18	107.46	32.75	178.55
19	110.60	33.71	173.49
20	113.67	34.65	168.81
21	116.67	35.56	164.47
22	119.60	36.45	160.43
23	122.48	37.33	156.66
24	125.31	38.19	153.12
25	128.09	39.04	149.81
26	130.81	39.87	146.68
26.5	132.16	40.28	145.19



Hefei CAC Electronic Technology Co.,Ltd.

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Tel: 0086-551-63718423

Fax:0086-551-63718413

www.cactechnology.com

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