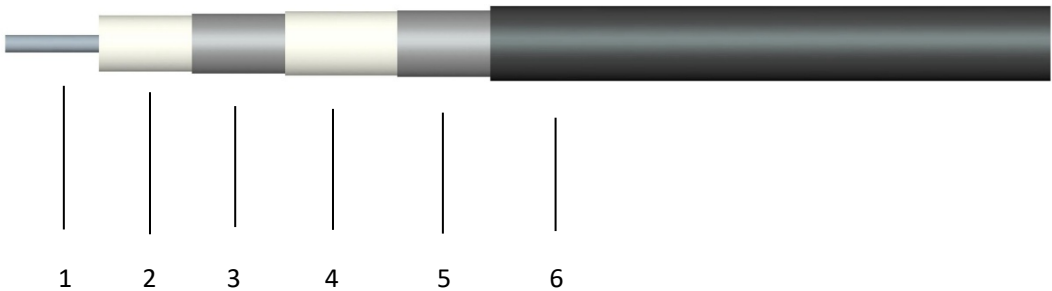


CAC Technology® Data Sheet

RF Coaxial Cable P/N: 47P1P_FEP

Description

47P1P_FEP
the three layers shield of Tape&Braid flexible coaxial cable, high performance microwave cable.



Construction

Inner Conductor	① Silver Plated Copper	1.40mm ±0.02
Dielectric	② LD PTFE	3.75mm
Outer Conductor	③ Silver Plated Copper Tape	3.95mm
Interlayer	④ LD PTFE	4.20 ±0.05
Braiding	⑤ Silver Plated Copper Braid	4.65 ±0.05
Jacket	⑥ FEP, Gray	5.10 ±0.10

Electrical Data

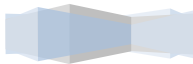
Impedance	50 ohm
Max. operating frequency	26.5 GHz
Velocity of signal propagation	83%
Shielding effectiveness	> 90 dB (@1 GHz)
Max. operating voltage	1500V

Mechanical Data

Weight	58g/ m
Min. bending radius	static 26 mm
	dynamic 51 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	24.05	7.33	964.27
2	34.20	10.42	677.99
3	42.07	12.82	551.19
4	48.75	14.86	475.61
5	54.68	16.67	424.04
6	60.07	18.31	385.99
7	65.06	19.83	356.41
8	69.72	21.25	332.58
9	74.12	22.59	312.84
10	78.30	23.87	296.14
11	82.29	25.08	281.78
12	86.12	26.25	269.26
13	89.80	27.37	258.21
14	93.36	28.46	248.37
15	96.81	29.51	239.53
16	100.15	30.53	231.54
17	103.40	31.52	224.26
18	106.56	32.48	217.60
19	109.65	33.42	211.47
20	112.67	34.34	205.81
21	115.62	35.24	200.56
22	118.50	36.12	195.67
23	121.33	36.98	191.11
24	124.11	37.83	186.84
25	126.84	38.66	182.82
26	129.51	39.48	179.04
26.5	130.84	39.88	177.23

Version	Drawn/Date	Check/Date
02	Rudy 2014.12.18	Mark 2014.12.19

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