

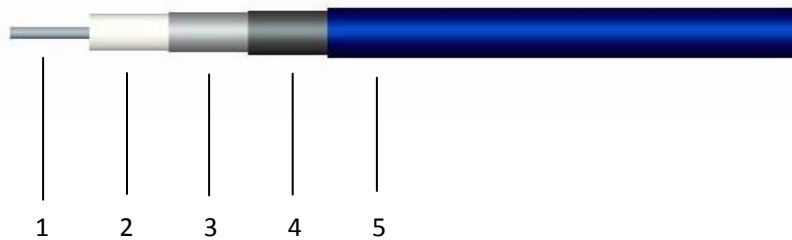
CAC Technology® Data Sheet

RF Coaxial Cable P/N: 22S6_FEP

Description

22S6_FEP

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



Construction

Inner Conductor	① Silver Plated Copper	0.52mm ± 0.02
Dielectric	② SPTFE	1.63mm
Outer Conductor	③ Silver Plated Copper Tape	1.80mm
Braiding	④ Silver Plated Copper Braid	2.18 ± 0.05
Jacket	⑤ FEP, Blue	2.8 ± 0.1

Electrical Data

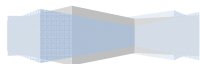
Impedance	50 ohm
Max. operating frequency	40 GHz
Velocity of signal propagation	70%
Shielding effectiveness	> 90 dB (@1 GHz)
Max. operating voltage	1000V

Mechanical Data

Weight	22g/ m
Min. bending radius	static 14 mm
	dynamic 28mm

Environmental Data

Temperature range	-55 °C ~ + 125 °C
2011/65/EU (RoHS)	compliant



Attenuation & CW Power

Frequency	Attenuation	Attenuation	CW Power
GHz	dB/100m	dB/100ft	W
1	69.40	21.15	103.58
3	125.19	38.16	57.42
5	166.06	50.61	43.29
7	200.75	61.19	35.81
9	231.81	70.66	31.01
11	260.41	79.37	27.60
13	287.20	87.54	25.03
15	312.58	95.27	23.00
17	336.82	102.66	21.34
19	360.13	109.77	19.96
21	382.65	116.63	18.78
23	404.48	123.29	17.77
25	425.72	129.76	16.88
27	446.43	136.07	16.10
29	466.68	142.24	15.40
31	486.51	148.29	14.77
33	505.96	154.22	14.21
35	525.06	160.04	13.69
37	543.84	165.76	13.22
39	562.34	171.40	12.78
40	571.48	174.19	12.58

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

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