

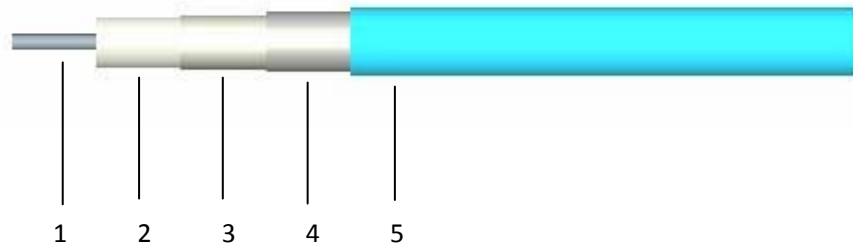
## CAC Technology® Data Sheet

RF Coaxial Cable P/N: 33P1\_FEP

### Description

33P1\_FEP

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



### Construction

Inner Conductor	① Silver Plated Copper	0.91mm ± 0.02
Dielectric	② LD PTFE	2.70mm
Outer Conductor	③ Silver Plated Copper Tape	2.90mm
Braiding	④ Silver Plated Copper Braid	3.30 ± 0.05
Jacket	⑤ FEP, Light Green	3.70 ± 0.10

### Electrical Data

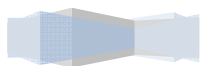
Impedance	50 ohm
Max. operating frequency	40 GHz
Velocity of signal propagation	76%
Shielding effectiveness	> 90 dB (@1 GHz)
Max. operating voltage	1600V

### Mechanical Data

Weight	38g/ m
Min. bending radius	static 18 mm
	dynamic 36mm

### 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	38.12	11.62	503.37
3	67.93	20.70	282.48
5	89.38	27.24	214.67
7	107.39	32.73	178.68
9	123.36	37.60	155.55
11	137.95	42.05	139.09
13	151.53	46.19	126.63
15	164.33	50.09	116.77
17	176.48	53.79	108.72
19	188.12	57.34	102.00
21	199.31	60.75	96.27
23	210.12	64.04	91.32
25	220.60	67.24	86.98
27	230.78	70.34	83.14
29	240.70	73.37	79.72
31	250.39	76.32	76.63
33	259.86	79.21	73.84
35	269.14	82.03	71.29
37	278.25	84.81	68.96
39	287.19	87.53	66.81
40	291.60	88.88	65.80



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Version	Drawn/Date	Check/Date
02	Rudy 2014.10.18	Mark 2014.10.19

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