

## CAC Technology® Data Sheet

RF Coaxial Cable P/N: 36S3\_FEP

### Description

36S3\_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 SPTFE	3.00mm
Outer Conductor	③ Silver Plated Copper Tape	3.20mm
Braiding	④ Silver Plated Copper Braid	3.60±0.05
Jacket	⑤ FEP, Blue	4.0±0.1

### Electrical Data

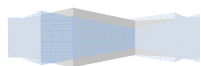
Impedance	50 ohm
Max. operating frequency	26.5 GHz
Velocity of signal propagation	70%
Shielding effectiveness	> 90 dB (@1 GHz)
Max. operating voltage	2000V

### Mechanical Data

Weight	49g/ m
Min. bending radius	static 20 mm
	dynamic 40mm

### 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	38.17	11.63	266.94
2	56.28	17.15	181.02
3	71.10	21.67	143.30
4	84.20	25.67	120.99
5	96.22	29.33	105.88
6	107.46	32.76	94.80
7	118.12	36.00	86.25
8	128.31	39.11	79.40
9	138.12	42.10	73.76
10	147.61	44.99	69.02
11	156.83	47.80	64.96
12	165.81	50.54	61.44
13	174.59	53.22	58.35
14	183.19	55.84	55.61
15	191.62	58.41	53.17
16	199.91	60.93	50.96
17	208.06	63.42	48.97
18	216.09	65.86	47.15
19	224.00	68.28	45.48
20	231.81	70.66	43.95
21	239.53	73.01	42.53
22	247.16	75.33	41.22
23	254.71	77.63	40.00
24	262.17	79.91	38.86
25	269.57	82.16	37.79
26.5	280.53	85.51	36.32

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

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