

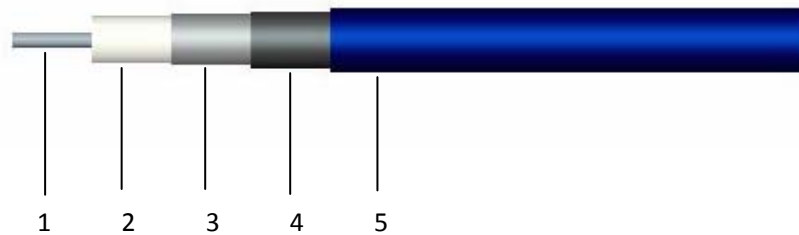
CAC Technology® Data Sheet

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

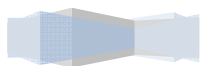
Impedance	50 ohm
Max. operating frequency	18 GHz
Velocity of signal propagation	70%
Shielding effectiveness	> 90 dB (@1 GHz)
Max. operating voltage	2000V

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	39.68	12.09	256.75
2	58.54	17.84	174.03
3	73.98	22.55	137.72
4	87.64	26.71	116.25
5	100.16	30.53	101.71
6	111.89	34.10	91.06
7	123.00	37.49	82.83
8	133.63	40.73	76.24
9	143.87	43.85	70.82
10	153.77	46.87	66.25
11	163.39	49.80	62.35
12	172.77	52.66	58.97
13	181.94	55.45	56.00
14	190.91	58.19	53.37
15	199.72	60.87	51.01
16	208.37	63.51	48.89
17	216.88	66.11	46.98
18	225.27	68.66	45.23



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Version	Drawn/Date	Check/Date
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