

CAC Technology® Data Sheet

RF Coaxial Cable P/N: 36S1

Description

36S1

the semi-flexible coaxial cable.



Construction

Inner Conductor	① Silver Plated Copper	$0.91\text{mm} \pm 0.02$
Dielectric	② Solid PTFE	3.00mm
Outer Conductor	③ Tin Soaked Copper Braid	3.55 ± 0.05

Electrical Data

Impedance	50 ohm
Max. operating frequency	20 GHz
Velocity of signal propagation	70%
Shielding effectiveness	>90 dB (@1 GHz)
Max. operating voltage	2000V

Mechanical Data

Weight	48g/ m
Min. bending radius	static 18 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	37.65	11.48	270.60
2	55.43	16.90	183.79
3	69.95	21.32	145.65
4	82.77	25.23	123.08
5	94.52	28.81	107.79
6	105.49	32.15	96.58
7	115.88	35.32	87.92
8	125.81	38.35	80.98
9	135.37	41.26	75.26
10	144.61	44.08	70.45
11	153.58	46.81	66.34
12	162.32	49.47	62.77
13	170.85	52.08	59.63
14	179.21	54.62	56.85
15	187.40	57.12	54.37
16	195.44	59.57	52.13
17	203.35	61.98	50.10
18	211.14	64.36	48.25
19	218.82	66.70	46.56
20	226.40	69.01	45.00

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

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