

CAC Technology® Data Sheet

RF Coaxial Cable P/N: 36R1

Description

36R1

the semi-rigid coaxial cable.



Construction

Inner Conductor	① Silver Plated Copper	$0.93\text{mm} \pm 0.02$
Dielectric	② Solid PTFE	3.00mm
Outer Conductor	③ Seamless Annealed Copper Tube	3.60 ± 0.05

Electrical Data

Impedance	$50\ \Omega$
Max. operating frequency	$20\ \text{GHz}$
Velocity of signal propagation	70%
Shielding effectiveness	$>150\ \text{dB} (@1\ \text{GHz})$
Max. operating voltage	1600V

Mechanical Data

Weight	49g/m
Min. bending radius	static $18\ \text{mm}$

Environmental Data

Temperature range	$-55\ ^\circ\text{C} \sim +125\ ^\circ\text{C}$
2011/65/EU (RoHS)	compliant



Attenuation & CW Power

Frequency	Attenuation	Attenuation	CW Power
GHz	dB/100m	dB/100ft	W
1	37.65	11.48	403.41
2	55.43	16.90	273.99
3	69.95	21.32	217.13
4	82.77	25.23	183.49
5	94.52	28.81	160.69
6	105.49	32.15	143.98
7	115.88	35.32	131.06
8	125.81	38.35	120.72
9	135.37	41.26	112.20
10	144.61	44.08	105.03
11	153.58	46.81	98.89
12	162.32	49.47	93.57
13	170.85	52.08	88.89
14	179.21	54.62	84.75
15	187.40	57.12	81.05
16	195.44	59.57	77.71
17	203.35	61.98	74.69
18	211.14	64.36	71.93
19	218.82	66.70	69.41
20	226.40	69.01	67.08

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

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