

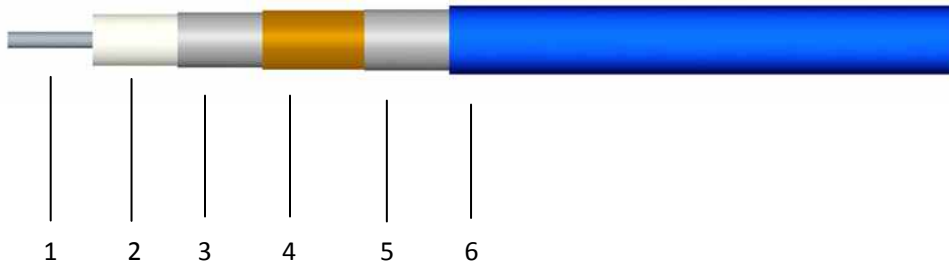
CAC Technology® Data Sheet

RF Coaxial Cable P/N: 47P2_FEP

Description

47P2_FEP

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



Construction

Inner Conductor	① Silver Plated Copper	1.29mm ± 0.02
Dielectric	② PTFE	3.91mm
Outer Conductor	③ Silver Plated Copper Braid	4.15mm
Interlayer	④ Silver Plated Copper Tape	4.28 ± 0.05
Braiding	⑤ Silver Plated Copper Braid	4.73 ± 0.05
Jacket	⑥ FEP, Light Blue	5.20 ± 0.10

Electrical Data

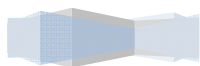
Impedance	50 ohm
Max. operating frequency	26.5 GHz
Velocity of signal propagation	76%
Shielding effectiveness	> 100 dB (@1 GHz)
Max. operating voltage	2500V

Mechanical Data

Weight	60g/ m
Min. bending radius	static 26 mm
	dynamic 52 mm

Environmental Data

Temperature range	-55 °C ~ + 200 °C
2011/65/EU (RoHS)	compliant



Attenuation & CW Power

Frequency	Attenuation	Attenuation	CW Power
GHz	dB/100m	dB/100ft	W
1	28.43	8.66	745.32
2	40.55	12.36	522.45
3	50.00	15.24	423.76
4	58.06	17.70	364.96
5	65.23	19.88	324.84
6	71.76	21.87	295.24
7	77.83	23.72	272.25
8	83.51	25.45	253.72
9	88.88	27.09	238.38
10	94.00	28.65	225.40
11	98.90	30.14	214.25
12	103.60	31.58	204.52
13	108.14	32.96	195.94
14	112.52	34.30	188.30
15	116.78	35.59	181.44
16	120.91	36.85	175.23
17	124.94	38.08	169.59
18	128.86	39.28	164.42
19	132.70	40.45	159.67
20	136.45	41.59	155.28
21	140.12	42.71	151.21
22	143.73	43.81	147.42
23	147.26	44.88	143.88
24	150.73	45.94	140.57
25	154.14	46.98	137.46
26	157.50	48.00	134.53
26.5	159.15	48.51	133.13

Version	Drawn/Date	Check/Date
02	Rudy 2014.12.18	Mark 2014.12.19

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