

CAC Technology® Data Sheet

RF Coaxial Cable P/N: 43C2_FEP

Description

43C2_FEP

the double shield flexible coaxial cable, anti-high temp RF cable.



Construction

Inner Conductor :

① Silver plated Copper

0.93mm±0.02

Dielectric:

② Solid PTFE

2.95mm±0.08

Shield :

③ Silver plated Copper Braid

3.60±0.10

Braiding:

④ Silver plated Copper Braid

4.30±0.10

Jacket :

⑤ FR-PE, Black

4.95mm±0.12

Electrical Data

Impedance

50 ohm

Max. operating frequency

8.0 GHz

Velocity of signal propagation

70%

Shielding effectiveness

> 90 dB (@1 GHz)

Max. operating voltage

1800V

Mechanical Data

Weight

56g/ m

Min. bending radius

60 mm

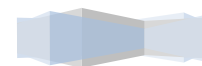
Environmental Data

Temperature range

-55 °C ~ + 200 °C

2011/65/EU (RoHS)

compliant



Attenuation & CW Power

Frequency	Attenuation	Attenuation	CW Power
MHz	dB/100m	dB/100ft	W
100	11.68	3.56	786.64
500	28.55	8.70	321.83
900	40.32	12.29	227.88
1300	50.38	15.36	182.37
1700	59.49	18.13	154.45
2100	67.97	20.72	135.17
2500	76.00	23.16	120.89
2900	83.68	25.51	109.80
3300	91.08	27.76	100.88
3700	98.25	29.95	93.51
4100	105.23	32.08	87.31
4500	112.05	34.15	82.00
4900	118.72	36.19	77.39
5300	125.27	38.18	73.35
5700	131.70	40.14	69.77
6100	138.03	42.07	66.56
6500	144.27	43.97	63.69
6900	150.43	45.85	61.08
7300	156.52	47.71	58.70
7700	162.53	49.54	56.53
8000	167.00	50.90	55.02

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

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