

TECHNICAL SPECIFICATIONS

CABRG8 - Cable RG-8/AU type LMR400 Bcca black



Material properties

Inner conductor	CCA*	Ø2.74mm
Insulation	Physical foamed	Ø7.25mm
Outer conductor	Bonded AL/PET/AL tape	Ø7.39mm
Shielding	Tinned annealed copper wire	<Ø8.24mm
Jacket	Black PE	Ø10.16mm

* Copper Clad Aluminium

Mechanical properties

Tensile force	72.6kg
Minimum bending (1)	51mm
Crush resistance	710Kg/mm
Weight	104Kg/Km

Electrical properties

Impedance		50±2 Ω
Inner conductor resistance to short		4.56Ω/Km
Outer conductor resistance to short		5.41Ω/Km
Capacity		78±2 pF/m
Effective shielding		>90dB
Propagation velocity		85%
Shutdown frequency		16GHz
Shutdown Voltage		2.5 kV
Peak power		16kW
VSWR	VHF (30-300 MHz)	20 dB
	UHF (300-	18 dB

Attenuation and average power

Frequency MHz	Nominal Attenuation @20°C, dB/100m	Power @20°C, KW
1	0.58	4,81
10	1.60	3.05
50	3.20	2.57
100	4.46	2.26
140	5.28	1.65
200	6.31	1.30
350	8.54	1.04
400	9.13	0.94
700	12.52	0.72
900	14.20	0.58
1,000	15.00	0.57
1,800	20.00	0.40
1,900	21.00	0.39
2,100	21.01	0.36
2,500	21.02	0.33
5,800	21.03	0.100

The maximum value can reach 105% of the nominal value of attenuation.

Recommended Temperatures

Storage	-70°C ÷ +80°C
Intallation	-40°C ÷ +80°C
Operation	-55°C ÷ +85°C

*Ideal Technology has a policy of continuous improvement. Specifications are subject to change without notice.