

TECHNICAL SPECIFICATIONS

CABRG8 - Cable RG-8/AU CCA LSZH 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
Installation	-40°C ÷ +80°C
Operation	-55°C ÷ +85°C