



RG-8

HCAFBY-50-7(HF400),50 Ohm Braided Coaxial Cable, PE Jacket

HCAFBYZ-50-7(HF400),50 Ohm Braided Coaxial Cable, LSZH Jacket

Construction

Product Type	HCAFBY-50-7-6(HF400)	HCAFBYZ-50-7-6(HF400)
Product Code	2.3.39.02	2.3.40.04
Jacket Colour	BLACK	
Inner Conductor Material	CCA(Copper Clad Aluminum)	
Dielectric Material	Physical Foam Polyethylene PE	
Outer Conductor Material	Bonded aluminum/polyester/aluminum tape+TC Wire Braiding	
Outer Conductor Coverage	80%	
Jacket Material	PE	LSZH

Dimensions

Inner Conductor	2.74 ±0.02mm
Dielectric	7.24 ±0.20mm
Shields	8.00 ±0.20mm
Jacket	10.1 ±0.30mm

Electrical Property

Capacitance	77 pF/m
Impedance	50±2 Ω
Velocity	85.0%
Insulation Resistance	>5000 MΩ.km
Cut-off Frequency	16.2 GHz
Withstanding Voltage(AC)	2.5 KV
Sparkover Voltage	8.0 KV
Peak Power Rating	18.89 KW
Screen Efficiency	≥90 dB
VSWR	
800~1000MHz	≤1.15
1700~2000MHz	≤1.20
2000~2400MHz	≤1.25

Attenuation

Frequency(MHz)	Attenuation(dB/100 m)	Frequency(MHz)	Attenuation(dB/100 m)
100	4.1	1800	18.6
150	5.0	1900	19.2
220	6.1	2000	19.6
450	8.9	2200	20.9
900	12.8	2500	22.2
1200	15.0	2800	23.9
1500	16.8	3000	24.8

*Maximum attenuation value shall be 110% of the nominal attenuation value.

Environmental and Mechanical Property

Operating Temperature Range	-40°C~+85°C
Minmum Single Bending Radius	25 mm
Minmum Bending Temperature	-15°C

Standard Conditions :

VSWR 1.0, the cable temperature 20 °C, environment temperature 40 °C, the inner conductor temperature 100 °C

Marking requirements:HENGXIN TECHNOLOGY HCAFBY(Z)-50-7 XXXXXXXX(series NO.) 0000m

Capacity Per Spool:500m;Spool Packing:φ550*φ150*340mm

