

# 13C-HFA

## STANDARD CONSTRUCTION

- 0.124 in. (3.15mm) copper clad aluminum
- Gas expanded polyethylene dielectric.
- Continuous aluminum outer conductor
- Flame retardant polyethylene(PE) jacket.
- Nominal O.D. 0.610 in.(15.49mm).

## PHYSICAL DIMENSIONS

Component	Inches	mm
Nominal Center Conductor Diameter	0.124	3.15
Nominal Diameter Over Dielectric	0.514	13.03
Nominal Diameter Over Outer Conductor	0.540	13.72
Nominal Outer Conductor Thickness	0.0135	0.343
Nominal Diameter Over Jacket	0.610	15.49
Nominal Jacket Wall Thickness	0.035	0.89
Messenger Versions		
Diameter of Steel Messenger	0.109	2.77

## ELECTRICAL PROPERTIES

IMPEDANCE	75 OHM
VELOCITY OF PROPAGATION	87%
Capacitance	15.3± 1.0 pf/ft 50±3.0 nf/km
Shielding Effectiveness	>100dB

## MECHANICAL CHARACTERISTICS

Minimum Bending Radius	5.0"	10.2cm
Maximum Pulling Tension	220 lbs.	100 kgf
Minimum Breaking Strength of Messenger	1800 lbs.	816 kgf

## 감쇄량 (20℃) (Attenuation)

FREQUENCY (MHz)	dB/100M	dB/100M
5	0.13	0.43
55	0.45	1.48
200	0.93	3.05
250	0.99	3.94
300	1.08	3.25
350	1.17	3.84
400	1.26	4.13
450	1.35	4.44
500	1.41	4.63
550	1.51	4.95
600	1.59	5.23
750	1.80	5.92
1000	2.10	6.91

## Mechanical D.C Resistance @68oF(20oC)

Copper Clad		
Inner Conductor	1.02 ohms/1000ft.	0.34 ohms/km
Out Conductor	0.59 ohms/1000ft.	1.94 ohms/km
Loop	1.61 ohms/1000ft.	5.28 ohms/km

\*Attenuation increases with increasing temperature and decreases with decreasing temperature at the rate of 0.1%/ ° F (0.18%/°C)

### APPLICABLE STANDARDS

UL(CMR,CATVR,CATV,CL2)/VDE/TL9000/ISO14001)

※ Compliant with European Directive 2002/95/EC(RoHS)

※ Above information is just for the purpose of your reference, therefore pls, ask to our sales dept, if you want to get more detail.