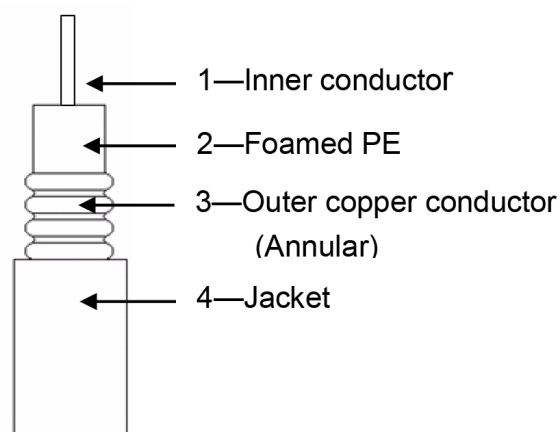


CABLE STRUCTURE

Cable Type: HCAAY-50-12



Construction

Item	Diameter(mm)	Material
Inner conductor	4.80±0.05	Copper clad aluminum wire
Insulation	12.30±0.20	Foamed polyethylene
Outer copper conductor	13.90±0.25	Annular corrugated copper tube
Jacket	15.70±0.30	Polyethylene

Characteristics

Item	Specification
Lay environment temperature	-20~+70℃
Characteristics impedance	50±2Ω
Velocity	88%
Min. insulation resistance	10000 MΩ·km @DC 500V , 1 minute
Capacitance	76 pF/m
Dielectric strength	DC 6000V 1 minute
VSWR typical value	≤1.20@820~960MHz
	≤1.20@1710~2500MHz

Attenuation(Nominal Value)

Frequency(MHz)	Attenuation(dB/100m)
800	6.45
900	6.85
1800	10.05
2000	10.66
2400	11.80
2700	12.60
3000	13.30

Note: The tolerance of Attenuation shall be ±5%.