

RG8 3G COAXIAL CABLE

Description

RFI RG8 coaxial cable came in either bare copper or copper clad aluminum center conductor, with gas-injected foam polyethylene insulation. It has a 100% foil coverage and a 90% Tinned copper braid shield coverage. The outer jacket can either be PVC or PE.

Application

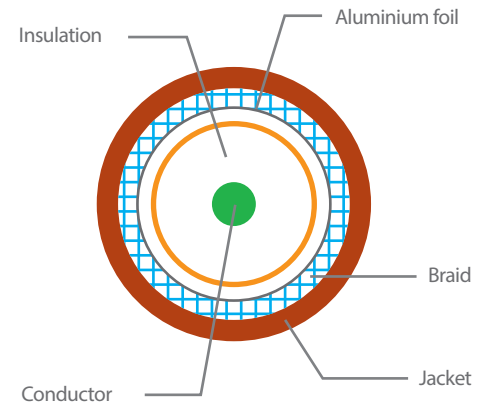
- Communication

Features

- 10 AWG Bare Copper or Copper clad aluminum
- Tested up to 6GHz
- CM rated

Standard and Compliance

- UL CATV, CATVX
- RoHS



Physical Specifications

Conductor	
AWG	10
Stranding	Solid
Diameter(mm)	2.74 ± 0.01
Material	Bare Copper or Copper clad aluminum
Insulation	
Material	Foam Polyethylene
Diameter (mm)	7.24 ± 0.10
Nom. Thickness (mm)	2.2
Outer Shield	
Foil Material	Bonded Aluminium Foil
Foil Coverage	100%
Braid Material	Tinned copper Braid
Braid Coverage	90%
Braid Structure	168 x 0.14 ± 0.002 mm
Diameter (mm)	7.39
Outer Jacket	
Material	PVC or PE
Diameter (mm)	10.29 ± 0.20
Nom. Thickness (mm)	1.05

Ordering information

Part No.	Description
RCC-08S40G2-2yx	RG8 CCA 3GHz Standard Shield 90% TC Braid Coaxial Cable, PE, 500m
RCC-08S40G3-1yx	RG8 CCA 3GHz Standard Shield 90% TC Braid Coaxial Cable, CM, PVC, 305m

*y = 0 - blue, 1 - orange, 2 - aqua, 3 - sky blue, 4 - grey, 5 - white, 6 - red, 7 - black, 8 - yellow, 9 - purple

*x = A, H

Electrical Characteristics

Characteristics Impedance (Ω)	50 ± 2
Conductor DC Resistance (Ω/km)	4.6
Velocity of propagation (%)	85%
Capacitance (pF/m)	78.4
Operating Temperature	-40°C ~ 80°C

Attenuation at 20°C

Frequency (MHz)	Nom.Attn. (dB/100m)
50	2.95
150	4.92
220	6.1
450	8.86
900	12.8
1500	16.8
1800	18.6
2000	19.98
2500	22.31
5800	35.5

Return Loss at 20°C

Frequency (MHz)	Return Loss (dB)
100 ~ 480	1.15
800 ~ 1900	1.15
1900 ~ 2500	1.2