

RG11 STANDARD SHIELD COAXIAL CABLE

Description

RFI RG11 coaxial consists of copper-covered steel (CCS) center conductor, with gas-injected foam polyethylene insulation. It has a 100% foil coverage and a 60% aluminium braid shield coverage. The outer jacket can either be PVC or PE.

Application

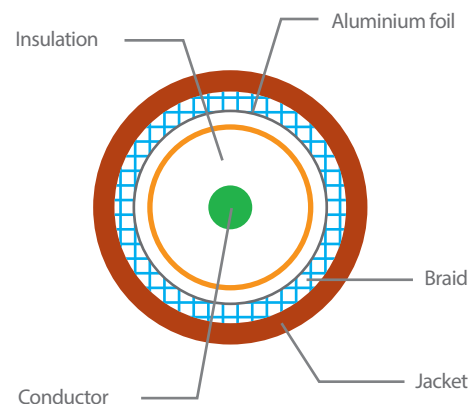
- Broadband CATV

Standard and Compliance

- UL CATV, CATVX
- RoHS

Features

- 14 AWG Copper-covered Steel
- Tested up to 3GHz
- CM rated
- RoHS compliance
- PE Jacket for Outdoor used



Physical Specifications

Conductor	
AWG	14
Stranding	Solid
Diameter(mm)	1.63 ± 0.02
Material	Copper-covered Steel
Insulation	
Material	Foam Polyethylene
Diameter (mm)	7.11 ± 0.20
Nom. Thickness (mm)	2.74
Outer Shield	
Foil Material	Bonded Aluminium Foil
Foil Coverage	100%
Braid Material	Aluminium Braid
Braid Coverage	60%
Braid Structure	96 x 0.16 ± 0.002 mm
Diameter (mm)	8.00 ± 0.20
Outer Jacket	
Material	PVC or PE
Diameter (mm)	10.16 ± 0.20
Nom. Thickness (mm)	1.05

Electrical Characteristics

Characteristics Impedance (Ω)	75 ± 3
Conductor DC Resistance (Ω/km)	≤ 36.9
Insulation Resistance (MΩ.km)	≥ 5000
Capacitance (pF/m)	54 ± 3
Operating Temperature	-40°C ~ 80°C

Attenuation at 20°C

Frequency (MHz)	Nom.Attn. (dB/100m)
55	≤ 1.25
250	≤ 6.72
350	≤ 7.94
400	≤ 8.53
550	≤ 9.97
750	≤ 11.97
865	≤ 13.05
1000	≤ 14.27
1300	≤ 16.21
1450	≤ 17.36
1750	≤ 19.52
2150	≤ 21.65
2600	≤ 24.04
2830	≤ 25.09
3000	≤ 25.86

Return Loss at 20°C

Frequency (MHz)	Return Loss (dB)
5 ~ 950	≥ 21
950 ~ 3000	≥ 18

Ordering information

Part No.	Description
RCC-11S4023-2yx	RG11 CCS 3GHz Standard Shield 60% Al. Braid Coaxial Cable, CM, PVC, 500m
RCC-11S4022-2yx	RG11 CCS 3GHz Standard Shield 60% Al. Braid Coaxial Cable, PE, 500m
RCC-11S4222-2yx	RG11 CCS 3GHz Standard Shield 60% Al. Braid Coaxial Cable w/Flooding Compound, Outdoor PE, 500m

*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