



# Infinity RG11 Coaxial Cable, Quad Shield, 14AWG CCS, CM Rated



## Applicable Standards

**UL 444:** Covers communication cables, including those with CM-rated PVC jackets, ensuring fire safety and compliance for in-wall installations.

**ASTM B233:** Ensures the quality of the solid copper-clad steel (CCS) conductor used in the cable.

**SCTE 15:** Defines the specifications for coaxial cables in broadband applications, including impedance and attenuation limits.

**CSA C22.2 No. 214 :** Standard for coaxial cables used in communication systems.

**CM Rating (UL) :** Suitable for general-purpose installations inside buildings.

## Product Part Number

N2111.S4PVB(10R)

## Product Description

The **Infinity RG11 Coaxial Cable** features a robust quad shielding design with dual layers of aluminum foil and braid, ensuring superior protection against signal interference. The 14AWG solid CCS (Copper-Clad Steel) conductor delivers optimal performance for long-distance transmission. Its CM-rated PVC jacket ensures durability and protection for both indoor and outdoor installations, while the 75 Ohm impedance is ideal for high-quality video, audio, and data transmission.

## Product Features

- **Quad Shielding Design :** Incorporates dual layers of aluminum foil and ALMG braid (60% and 40%) for maximum protection against electromagnetic interference (EMI) and radio frequency interference (RFI).
- **14AWG Solid CCS Conductor :** Combines strength and conductivity for long-lasting and efficient signal transmission.
- **CM Rated PVC Jacket :** Flame-resistant and flexible, making it ideal for safe indoor installations.
- **75 Ohm Impedance :** Ensures compatibility with high-definition video and audio applications, including cable TV and satellite systems.
- **Reliable Performance :** Provides exceptional signal integrity for demanding environments and advanced multimedia systems.





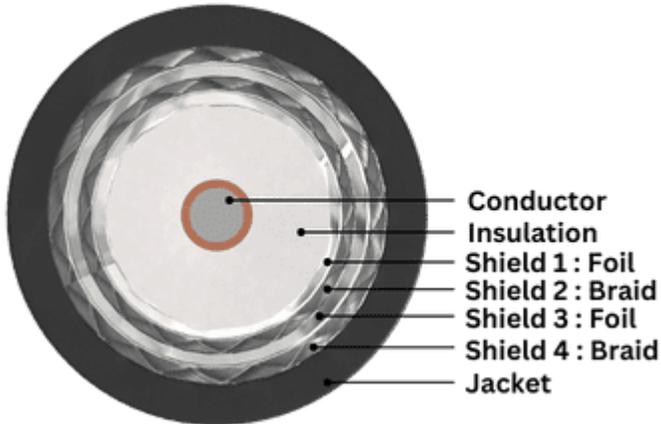
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## Applications

- **Cable Television (CATV):** Ensures clear and reliable signal transmission for standard and HD cable TV.
- **Satellite TV Systems:** Provides superior performance for satellite signal reception and distribution.
- **Home Theater Systems:** Delivers high-quality video and audio for immersive home entertainment.
- **Broadband Internet:** Supports high-speed internet connectivity through cable modems.
- **Security Systems (CCTV):** Ideal for video surveillance, ensuring interference-free video signal transmission



## Sectional Diagram



## Material Specifications

Conductor	Material	CCS (Copper-Clad Steel)
	Diameter (mm)	1.63 ± 0.01
Insulation	Material	Foam PE
	Insulation Diameter (mm)	7.11± 0.15
	Average Thickness (mm)	2.70
	Min. Thickness (mm)	2.60
Shield 1	Material	AL/PET Bonded
Shield 2	Material	ALMG Braid
	Braid Coverage	≥ 60%
Shield 3	Material	AL/PET/AL
Shield 4	Material	ALMG Braid
	Coverage	≥ 40%
Jacket	Material	PVC
	Diameter (mm)	10.20 ± 0.40



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Average Thickness (mm)	0.90
Min. Thickness (mm)	0.80
Color	Black
Electrical Characteristics :	
Inner Conductor DCR 20°C	≤ 40.0 Ω/KM
Characteristic Impedance (Ohm)	75 ± 3
Capacitance Conductor to Shield (pF/M)	53 ± 5
Fire Resistance	CM

## Environmental Specifications

Temperature range	Storage & shipping	-20°C to 75°C
	Installation	0°C to 60°C
	Operation	-20°C to 75°C

## Transmission Performance: Frequency Vs Attenuation

Frequency (MHz)	Attenuation (dB/100m)
5	2.2
55	3.15
211	6.23
450	9.02
550	9.97
750	11.97
865	13.05
1000	14.27





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### Ordering Information

N2111.S4PVB(10R)	Infinity RG11 Coaxial Cable, Quad Shield, 14AWG Solid CCS Conductor, Shield : AL Foil + 60% AL Braid + AL Foil + 40% AL Braid, CM Rated PVC Jacket, 75 Ohm, Black, 1000ft Reel
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