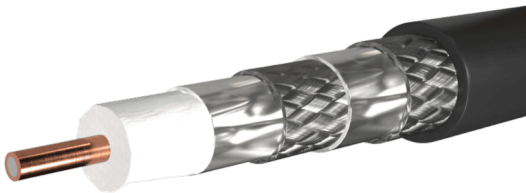




Infinity RG6 Coaxial Cable, Quad Shield, 18AWG CCS, CM Rated



Applicable Standards

ANSI/SCTE 74: Specifies the requirements for coaxial cables used in RF broadband communications, including RG6 cables.

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.

Product Part Number

N212.S2PVx(y)

Product Description

Infinity RG6 Quad Shield Coaxial Cable delivers superior signal quality and protection with its four-layer shielding design. Featuring an 18AWG solid copper-clad steel (CCS) conductor and dual aluminum foil plus braided shielding, this cable ensures minimal interference and optimal performance. Its CM-rated PVC jacket makes it safe and durable for indoor installations, while the 75 Ohm impedance ensures compatibility with a wide range of audiovisual systems.

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).
- **18AWG 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.





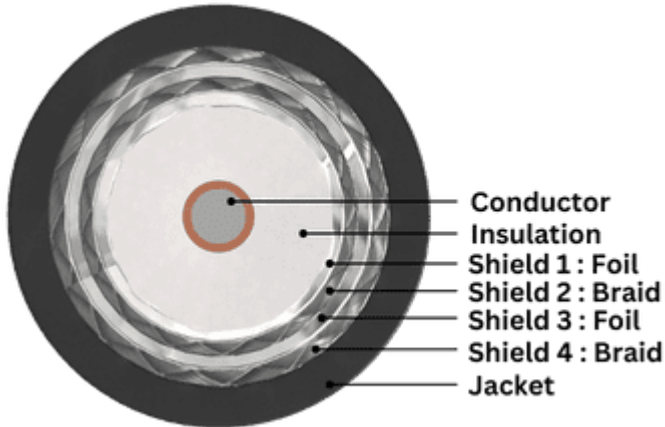
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Applications

- **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)	1.02 ± 0.01
Insulation	Material	Foam PE
	Insulation Diameter (mm)	4.57±0.15
	Average Thickness (mm)	1.75
	Min. Thickness (mm)	1.65
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)	7.2 ± 0.3



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Average Thickness (mm)	0.65
Min. Thickness (mm)	0.60
Color	White / Black
Electrical Characteristics :	
Inner Conductor DCR 20°C	≤ 105Ω/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	3.60
55	5.25
211	10.0
450	14.43
550	16.08
750	18.54
865	20.01
1000	21.98





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Ordering Information

N212.S2PVB(5P)	Infinity RG6 Coaxial Cable, Quad Shield, 18AWG Solid CCS Conductor, Shielding: AL Foil + 60% ALMG Braid + AL Foil + 40% ALMG Braid, CM Rated PVC Jacket, 75 Ohm, Black, 500ft Pull Box
N212.S2PVW(5P)	Infinity RG6 Coaxial Cable, Quad Shield, 18AWG Solid CCS Conductor, Shielding: AL Foil + 60% ALMG Braid + AL Foil + 40% ALMG Braid, CM Rated PVC Jacket, 75 Ohm, White, 500ft Pull Box
N212.S2PVB(10P)	Infinity RG6 Coaxial Cable, Quad Shield, 18AWG Solid CCS Conductor, Shielding: AL Foil + 60% ALMG Braid + AL Foil + 40% ALMG Braid, CM Rated PVC Jacket, 75 Ohm, Black, 1000ft Pull Box
N212.S2PVW(10P)	Infinity RG6 Coaxial Cable, Quad Shield, 18AWG Solid CCS Conductor, Shielding: AL Foil + 60% ALMG Braid + AL Foil + 40% ALMG Braid, CM Rated PVC Jacket, 75 Ohm, White, 1000ft Pull Box

