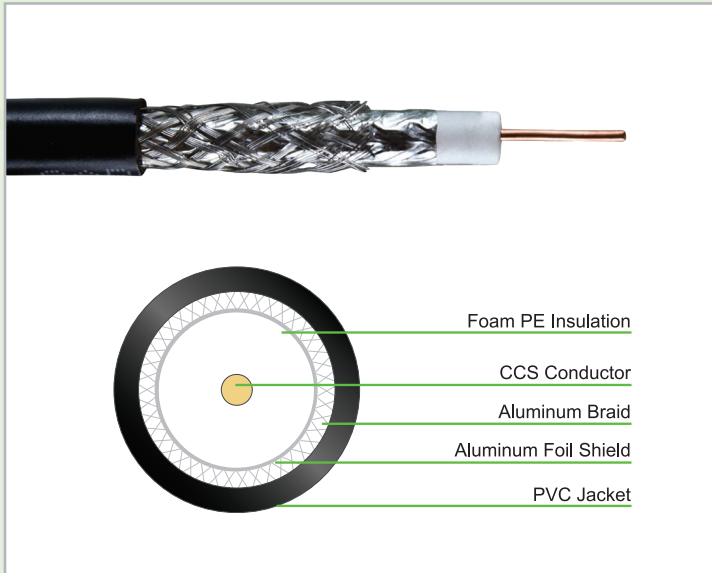


# Copper Systems

## Bulk Wire

### VGC™ RG6 CM Dual-Shield CCS Coaxial Cable



#### Features & Benefits

- CM rated jacket for applications where cable is used in single-story commercial or residential applications
- UL Listed and RoHS compliant to ensure safety requirements are met
- Dual shielded to reduce electrical and signal interference
- Foam PE insulation to protect the conductor
- 18 AWG copper clad solid steel conductor
- Spool, or Reel-In-Box packaging options to ease installation and storage

#### Applications

The Vericom RG6 Dual Shield CCS Coaxial Cable is designed to support RF, satellite, CATV, CCTV, and broadband modem applications. Its durable construction makes it well-suited for general residential use as well as single-story commercial building installations, providing reliable signal transmission across a variety of environments.

#### Description / Specifications

These RG-6 coaxial cables are supplied in 1,000 ft lengths and feature an insulated central conductor, making them ideal for low-loss, high-frequency applications. The most common uses for RG-6 include CATV and satellite installations, where reliability and signal integrity are critical

RG-6 cables are compatible with a variety of connector types depending on the application: F-style connectors for CATV distribution, BNC connectors for professional baseband video, and RCA plugs for consumer A/V applications outside of RF and CATV.

#### Standards Compliance

- UL Listed Type CM
- UL/cUL Listed
- ETL Listed
- RoHS Compliant
- CE

## VGC™ RG6 CM Dual-Shield CCS Coaxial Cable

### Ordering Information

Description	Packaging	Black	White
RG6 CM Dual Shield CCS Coaxial Cable	Spool	XRG06-01503	XRG06-01504
	Reel-In-Box	XRG06-02404	XRG06-02405

### Cable Marking

VERICOM E346149 (UL) C(UL)US CM 1X18AWG 75°C 00/00 RG6/U 60% DUAL-SHIELD CATV CABLE CE & ROHS SWEEP TESTED TO 3.0GHZ 000FT USED / 1000FT REMAINING

### Construction

**Conductor Material / Size:** Solid CCS / 18 AWG

**Dielectric Material:** Foam PE

**Dielectric Nom. Diameter:** 4.57 mm

**Shield Material:** Bond Al Foil / PE + Al Wire Braiding

**Shield Coverage:** 60%

**Jacket Dimensions:** Nominal Diameter 0.27 in (6.9 mm)

**Material:** PVC

### Mechanical

**Tensile Strength (Jacket Before Aging):** ≥ 13.8 MPa

**Aging Elongation:** ≥ 100%

**Aging Condition (deg./ hrs):** ≥ 113 ± 1.0, 168

**Elongation (Jacket After Aging):** ≥ 50%

**Tensile Strength (Jacket After Aging):** ≥ 85% unaged

**Elongation (Jacket After Aging):** ≥ 50% unaged

### Electrical

**Impedance:** 75 ± 3Ω @ 200 MHz

**Conductor DC Resistance 20 °C:** 119Ω / 1 Km

**Nominal Velocity of Propagation:** 82%

**Nominal Capacitance:** 53.1± pF/m

**Structural Return loss:** @>20dB

### Environmental Conditions

**Storing / Shipping Temp:** -4 °F to 167 °F (-20 °C to 75 °C)

**Installation Temperature:** 32 °F to 140 °F (0 °C to 60 °C)

**Operating Temperature:** 167 °F (75 °C)

**Cold Bend:** -20± 2° 4 hours no cracking

### Nominal Transmission Characteristics

	Freq. (MHz)	Max. (dB/100M)
Attenuation [@68°F (20°)]	5	2.66
	55	5.25
	250	11.02
	300	12.14
	350	13.15
	400	14.11
	450	15.03
	500	15.88
	600	17.52
	1000	22.97
	1250	25.00
	2200	36.00