



PRODUCT DESCRIPTION

- Direct Burial RG59 Coaxial Cables for your commercial or residential CCTV installation. RG-59/CU Direct Burial Coax Cables have a 20 AWG solid copper center conductor, a foam polyethylene dielectric insulation, 95% copper braid, and a direct burial PE jacket. Siamese cable with a RG59/ CU + an 18/2 power cable bonded side by side. Use the coaxial cable for video and the 18/2 cable to power your cameras. Comes in 1000 ft reel and is available in black or white jacket colors.

STANDARD COMPLIANCES

- NEC: 725 & 820
- MIL-C-24640A Water Penetration Requirements
- ANSI/SCTE: 74
- RoHS: Compliant Directive 2011/65/EU

APPLICATIONS

High-Definition Serial Digital Video, High-Resolution Analog Video, High-End Broadband Signal, Transmission for satellite use. Digital Audio (AES3id, SPDIF or Word Clock), CCTV/ Data/ Power, Security Certifications, Baseband Video.

CERTIFICATIONS

- NRTL programs : ETL Verified

PHYSICAL CHARACTERISTICS

20AWG RG59/U	
Conductor	20 AWG Solid Bare Copper
Insulation	Nitrogen-Injected Foam Polyethylene Dielectric
Nominal Dielectric Diameter(in)	0.146
Dielectric Color	Natural
Braid	Copper-Clad Aluminum Alloyed, 95% Coverage
Jacket	LLDPE (Sunlight-Resistant, Abrasion-Resistant & RoHS Compliant)
Flooding Compound	Water Blocking Gel
Nominal Cable Diameter (In)	0.24
Minimum Bend Radius (In)	3.0
Maximum Pulling Force (lbs)	35
Temperature Rating	(°F) Installation +32 to + 140 (°F) Storage & Operation -4 to + 167
18AWG 2/C	
Conductor	18 AWG 2/c 19 Strands Bare Copper
Insulation	FR-Polyolefin
Insulation Dielectric	0.065
Insulation Color	Black & Red
Nominal Cable Diameter (in):	0.169
Nominal Jacket Thickness (in):	0.019
Marking	Per Hyperline Standard



FEATURES & BENEFITS

- Install Friendly
- Skin-Foam-Skin Dielectric reduces the high-frequency attenuation, while maintaining uniform cell structure, low return loss and exceptional crush resistance
- Flexible & Easy to Strip
- Meets or Exceeds NEC Standards
- Sunlight Resistant & RoHS Compliant
- Legend marking for Rooms and Zones to save installation time
- E-Z footage marking with ascending and descending order
- Fully swept tested to 3.0 GHz
- Free from restricted metals and hazardous compounds.
- Combines indoor/outdoor applications into one product. Complies with the UL 1581 sunlight resistance requirement for outdoor installations

ELECTRICAL CHARACTERISTICS

Freq (MHz)	Nom Attenuation (dB/100')
55	7.55
500	24.42
750	19.06
800	31.60
1000	35.92
Return Loss	N/A
50-300MHz	≥20dB
300-1000MHz	≥18dB

Nom Capacitance (pF/1ft)	Characteristic Impedance 200MHz	20 AWG Max DC Resistance (Ω /1M' @ 68 °F)	18 AWG Max DC Resistance (Ω /1M' @ 68 °F)	Nom Velocity of Propagation (%)	Voltage Rating
16.5	75	10.5	11.44	81%	300 Volts

ORDERING

Part Number	Product Description
COAX-RG59-CU-SIAMESE-DBJ-PE-WH	RG59 Siamese Coax, Direct Burial Gel, 1000ft reel, White
COAX-RG59-CU-SIAMESE-DBJ-PE-BK	RG59 Siamese Coax, Direct Burial Gel, 1000ft reel, Black



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