

Product Description

Closed circuit security cameras use baseband frequencies, typically under 5 MHz. These applications are best suited for the bare copper center conductors of the Grupo Matel RG-59 coaxial cable, which also features 95% tinned copper braiding. RG-59 is specifically designed for applications operating below 1 GHz, but will also support higher frequency applications at shorter distances than RG-6 coaxial cable.

Applications

- CCTV and CATV
- Video camera signals

Features

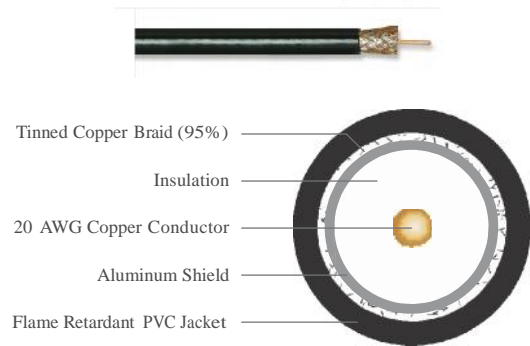
- Small size
- Copper center conductor
- Foamed polyethylene dielectric (CMR) or fluoropolymer (CMP)
- Bonded aluminum shield tape
- 95% tinned copper braid
- Black and white jacket colors available for CMR version

Benefits

- Suitable for tight applications and preferred for lower frequency signals
- Ideal for lower frequency signals
- Exhibits better transmission characteristics
- Blocks RFI
- Ideal for lower frequency signals
- Helps differentiate incoming service versus internal cabling infrastructure

Coax rG-59, 95% Shield

CMR/CL2R, CMP/CL2P



Specifications

Conductor	Solid copper
AWG (mm)	20 (0.81)
Shield	Aluminum foil
Braid	Tinned copper (95%)
Jacket	Flame retardant PVC
Nominal Impedance (Ohms)	75.0
Nominal Velocity of Propagation (%)	CMR: 83 CMP: 84
Performance Compliance	UL 13 UL 444 UL 1666 NEC Article 725 NEC Article 800 NFPA 262 RoHS-compliant
NRTL Programs	UL, c(UL) Listed CMR UL, c(UL) Listed CMP

Part Numbers and Physical Characteristics

Listing	Part Number	Jacket Color	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Package	Packages per Pallet
CMR/CL2R	1 78-558-911	White	0.24 (6.1)	34 (50.7)	1,000' Plywood reel	25
CMR/CL2R	1 79-558-911	Black	0.24 (6.1)	34 (50.7)	1,000' Plywood reel	25
CMP/CL2P	178-55C-911	White	0.19 (5.1)	27 (12.0)	1,000' Plywood reel	25

Electrical Specifications

Frequency MHz	CMR/CL2R	CMP/CL2P
	Attenuation, Nominal dB/100 ft (dB/100 m)	Attenuation, Nominal dB/100 ft (dB/100 m)
1	0.3 (1.0)	0.3 (1.0)
3.58	0.6 (1.8)	0.6 (2.0)
5	0.6 (2.1)	0.7 (2.3)
7	0.7 (2.4)	0.8 (2.7)
10	0.9 (2.9)	1.1 (3.4)
67.5	2.1 (6.7)	2.2 (7.2)
71.5	2.1 (6.9)	2.3 (7.4)
100	2.3 (7.6)	2.7 (8.9)
135	2.7 (8.9)	3.2 (10.5)
143	2.8 (9.1)	3.3 (10.7)
180	3.1 (10.2)	3.7 (12.0)
270	3.8 (12.5)	4.6 (14.9)
360	4.4 (14.5)	5.3 (17.2)
540	5.5 (17.9)	6.4 (21.0)
720	6.4 (20.9)	7.3 (23.9)
750	6.5 (21.3)	7.4 (24.3)
1000	7.6 (24.9)	9.4 (30.8)
2000	10.9 (35.8)	14.6 (47.8)
3000	13.3 (43.7)	18.8 (61.5)