



Technical Specifications

Product Line: RG59-CCTV-PL

Description

20 AWG solid core bare copper single shield RG59 CCTV coaxial cable
NEC type CMP and CEC type CMP FT6. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725, 800 and 820.

Conductor

20 AWG
Solid annealed bare copper conductors
Diameter: 0.032" | 0.813mm

Electrical

DC resistance: 10.5 Ω / 1000' | 34.5 Ω /KM
Shield DCR: 2.70 Ω / 1000' | 8.86 Ω /KM
Mutual capacitance: 16.0 pF/FT | 52.48 pF/M
Impedance: 75 \pm 3 Ω
Velocity of Propagation: 84%
Voltage rating: 300V
SRL 5-300 MHz: -20dB

Insulation

Foam fluorinated ethylene propylene
Wall thickness: 0.052" | 1.31mm
Diameter: 0.135" | 3.43mm

Regulatory

NEC: CMP 60 °C
CEC: CMP FT6 60 °C
EU RoHS 2002/95/EC Compliant

Color Code

Natural

Packages

Reel: 1000' | 305M
Weight: 30 Lbs/1000' | 45 Kg/KM

Assembly

N/A

Installation

Pull Tension: 44 Lbs | 196 N
Bend radius: 1.93" | 49mm unloaded
Bend radius: 3.86" | 98mm loaded
Plenum cable should be conditioned at room temperature for 24 hours prior to installation and never installed below 32 °F | 0 °C ambient temperature

Construct

N/A

Applications

Plenum security video
Plenum composite video cable
Plenum Subwoofer audio cable and mono RCA audio

Shield

95% 16x7/34 AWG bare copper braid shield

Performance

CCTV to 468 feet
Mono RCA audio 125 feet

Jacket

Plenum rated polyvinyl chloride
Colors: Black, White, Yellow
Wall thickness: 0.014" | 0.36mm
Diameter: 0.193" | 4.90mm

Final Outside Diameter (inches)

0.193

Specification Revision Date:

March 7, 2006





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RG59 Coaxial Sweep to 1.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.24	0.79
10	0.83	2.72
50	1.86	6.10
100	2.65	8.69
200	3.87	12.69
400	5.47	17.94
700	7.24	23.75
900	9.05	29.68
1000	9.54	31.29

