



Technical Specifications

Product Line: RG6-CCTV

Description

18 AWG solid core bare copper single shield RG6 CCTV coaxial cable
NEC type CM and CEC type CM. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725, 800 and 820.

Conductor

18 AWG
Solid annealed bare copper conductors
Diameter: 0.040" | 1.02mm

Electrical

DC resistance: 6.5 Ω / 1000' | 21.32 Ω /KM
Shield DCR: 2.10 Ω / 1000' | 6.89 Ω /KM
Mutual capacitance: 16.2 pF/FT | 53.1 pF/M
Impedance: 75 \pm 3 Ω
Velocity of Propagation: 82%
Voltage rating: 300V
SRL 5-300 MHz: -20dB

Insulation

Foam polyethylene
Wall thickness: 0.070" | 1.78mm
Diameter: 0.180" | 4.57mm

Regulatory

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

Color Code

Natural

Packages

Reel: 1000' | 305M
Weight: 45 Lbs/1000' | 68 Kg/KM

Assembly

N/A

Installation

Pull Tension: 69 Lbs | 306 N
Bend radius: 2.64" | 67mm unloaded
Bend radius: 5.28" | 134mm loaded

Construct

N/A

Applications

General purpose security video
General purpose composite video cable
General purpose Subwoofer audio cable and mono RCA audio

Shield

95% 16x8/34 AWG bare copper braid shield

Performance

CCTV to 622 feet
Mono RCA audio 125 feet

Jacket

Flame retardant polyvinyl chloride
Colors: Black
Wall thickness: 0.028" | 0.70mm
Diameter: 0.264" | 6.70mm

Final Outside Diameter (inches)

0.264

Specification Revision Date:

February 9, 2006





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RG6 Coaxial Sweep to 1.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.19	0.62
10	0.65	2.13
50	1.53	5.02
100	2.16	7.08
200	3.22	10.56
400	4.55	14.92
700	7.13	23.39
900	7.96	26.11
1000	8.69	28.50

