



Technical Specifications

Product Line: RG6-CCTV-PL

Description

18 AWG solid core bare copper single shield RG6 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

18 AWG

Solid annealed bare copper conductors

Diameter: 0.040" | 1.02mm

Insulation

Foam fluorinated ethylene propylene

Wall thickness: 0.065" | 1.65mm

Diameter: 0.170" | 4.32mm

Color Code

Natural

Assembly

N/A

Construct

N/A

Shield

95% 16x8/34 AWG bare copper braid shield

Jacket

Plenum rated polyvinyl chloride

Colors: Black, White

Wall thickness: 0.015" | 0.38mm

Diameter: 0.229" | 5.82mm

Specification Revision Date:

Electrical

DC resistance: 6.40 Ω / 1000' | 20.99 Ω /KM

Shield DCR: 2.10 Ω / 1000' | 6.89 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 1-300 MHz: -20dB

Regulatory

NEC: CMP 60 °C

CEC: CMP FT6 60 °C

EU RoHS 2002/95/EC Compliant

Packages

Reel: 1000' | 305M

Weight: 38 Lbs/1000' | 57 Kg/KM

Installation

Pull Tension: 54 Lbs | 241 N

Bend radius: 2.29" | 59mm unloaded

Bend radius: 4.58" | 118mm 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

Applications

Plenum low loss security video

Plenum composite video cable

Plenum Subwoofer audio cable and mono RCA audio

Performance

CCTV to 528 feet

Mono RCA audio 125 feet

Final Outside Diameter (inches)

0.229

March 7, 2006





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RG6 Coaxial Sweep to 1.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.21	0.69
10	0.65	2.13
50	1.44	4.72
100	2.04	6.69
200	3.15	10.33
400	4.46	14.63
700	5.89	19.32
900	7.47	24.50
1000	8.02	26.31

