



Technical Specifications

Product Line: 20-CMP

Description

20 AWG solid core dual shielded RG59 serial digital 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" | 0.81mm

Electrical

Conductor DCR: 10.34 Ω / 1000' | 33.92 Ω /KM

Shield DCR: 2.90 Ω / 1000' | 9.51 Ω /KM

Capacitance: 16.1 pF/FT | 52.81 pF/M

Impedance: 75 \pm 3 Ω

Velocity of Propagation: 84%

Voltage rating: 300V

SRL 1-450 MHz: -23dB

SRL 451-2400 MHz: -15dB

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: 34 Lbs/1000' | 51 Kg/KM

Assembly

N/A

Installation

Pull Tension: 52 Lbs | 231 N

Bend radius: 2.07" | 53mm unloaded

Bend radius: 4.14" | 106mm 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 Serial Digital Video (SMPTE)

Plenum CATV and DBS modulated video

Plenum baseband video signals

Plenum digital audio unbalanced formats

Shield

100% aluminum/poly/aluminum tape

95% 16x7/34 AWG tinned copper braid shield

Performance

3G HDS DI to 200 feet

CATV to 96 feet

CCTV to 426 feet

S/PDIF digital audio 400 feet

Jacket

Plenum rated polyvinyl chloride

Colors: Black, Blue, Green, Red, Violet, White, Yellow

Wall thickness: 0.016" | 0.41mm

Diameter: 0.207" | 5.26mm

Final Outside Diameter (inches)

0.207





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October 20, 2005

Specification Revision Date:

20-CMP Coaxial Sweep to 4.5 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.30	0.98
3.58	0.54	1.77
10	0.88	2.89
71.5	2.16	7.08
135	2.90	9.51
270	4.16	13.64
360	4.98	16.33
720	7.61	24.96
1000	9.31	30.54
1200	10.37	34.01
1450	11.70	38.38
1800	13.27	43.53
2500	16.18	53.07
3000	18.24	59.83
3500	19.70	64.62
4000	21.06	69.08
4500	22.34	73.28

