



Technical Specifications

Product Line: 18-CMP

Description

18 AWG solid core dual shielded RG6 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

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

Electrical

Conductor DCR: 6.40 Ω / 1000' | 20.99 Ω /KM
Shield DCR: 2.90 Ω / 1000' | 9.51 Ω /KM
Capacitance: 16.0 pF/FT | 52.48 pF/M
Impedance: 75 \pm 3 Ω
Velocity of Propagation: 84%
Voltage rating: 300V
SRL 1-450 MHz: -23dB
SRL 451-850 MHz: -21dB
SRL 851-3000 MHz: -15dB

Insulation

Foam fluorinated ethylene propylene
Wall thickness: 0.065" | 1.65mm
Diameter: 0.170" | 4.32mm

Regulatory

NEC: CMP 75° C
CEC: CMP FT6 60° C
EU RoHS 2002/95/EC Compliant

Color Code

Natural

Packages

Reel: 1000' | 305M
Weight: 42 Lbs/1000' | 63 Kg/KM

Assembly

N/A

Installation

Pull Tension: 69 Lbs | 306 N
Bend radius: 2.37" | 61mm unloaded
Bend radius: 4.74" | 122mm 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% 16x8/34 AWG tinned copper braid shield

Performance

3G HDS DI to 240 feet
CATV to 224 feet
CCTV to 532 feet
S/PDIF digital audio 500 feet

Jacket

Plenum rated polyvinyl chloride
Colors: Black, Blue, Green, Red, White, Yellow
Wall thickness: 0.016" | 0.41mm
Diameter: 0.237" | 6.02mm

Final Outside Diameter (inches)

0.237





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Specification Revision Date:

March 7, 2006

18-CMP Coaxial Sweep to 4.5 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.26	0.85
3.58	0.47	1.54
10	0.70	2.30
71.5	1.65	5.41
135	2.39	7.84
270	3.40	11.15
360	4.08	13.38
720	6.05	19.84
1000	7.45	24.44
1200	8.46	27.75
1450	8.61	28.24
1800	10.35	33.95
2500	11.70	38.38
3000	13.07	42.87
3500	13.50	44.28
4000	15.09	49.50
4500	16.01	52.51

