



Technical Specifications

Product Line: RG6-CM

Description

18 AWG solid core CCS dual shielded RG6 CATV/DBS coaxial cable
NEC type CM and CEC type CMG FT4. 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 copper clad steel conductors
Diameter: 0.040" | 1.02mm

Electrical

DC resistance: 36.28 Ω / 1000' | 119 Ω /KM
Shield DCR: 9.70 Ω / 1000' | 31.80 Ω /KM
Mutual capacitance: 16.2 pF/FT | 53.1 pF/M
Impedance: 75 \pm 3 Ω
Velocity of Propagation: 80%
Voltage rating: 300V
SRL 5-2200 MHz: -20dB
SRL 2.2-3 GHz: -17dB

Insulation

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

Regulatory

NEC: CM 75 °C
CEC: CMG FT4 60 °C
EU RoHS 2002/95/EC Compliant

Color Code

Natural

Packages

Reel: 1000' | 305M
Weight: 29 Lbs/1000' | 44 Kg/KM

Assembly

N/A

Installation

Pull Tension: 126 Lbs | 560 N
Bend radius: 2.68" | 68mm unloaded
Bend radius: 5.36" | 136mm loaded

Construct

N/A

Applications

General purpose CATV and DBS modulated video
CATV and DBS where DC is not required
Broadband video and cable modem

Shield

100% bonded aluminum/mylar
60% 16x4/34 AWG aluminum braid shield

Performance

CATV to 237 feet
DBS to 158 feet

Jacket

Polyvinyl chloride
Colors: Black, White
Wall thickness: 0.028" | 0.70mm
Diameter: 0.268" | 6.80mm

Final Outside Diameter (inches)

0.268

Specification Revision Date:

February 9, 2006





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RG6 Coaxial Sweep to 3.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.28	0.92
50	1.46	4.79
100	2.04	6.69
200	2.83	9.28
400	4.05	13.28
900	6.23	20.43
1000	6.59	21.62
1450	7.93	26.01
1800	8.83	28.96
2200	9.76	32.01
3000	13.26	43.49

