



Technical Specifications

Product Line: RG6-QUAD-CMP

Description

18 AWG solid core CCS quad shielded RG6 CATV/DBS 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 copper clad steel 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

100% aluminum/poly
60% 34 AWG aluminum braid shield
100% aluminum/poly
40% 34 AWG aluminum braid shield

Jacket

Plenum rated polyvinyl chloride
Colors: Natural White
Wall thickness: 0.017" | 0.43mm
Diameter: 0.268" | 6.80mm

Specification Revision Date:

Electrical

DC resistance: 28.6 Ω / 1000' | 93.81 Ω /KM
Shield DCR: 5.30 Ω / 1000' | 17.38 Ω /KM
Mutual capacitance: 15.5 pF/FT | 50.9 pF/M
Impedance: 75 \pm 3 Ω
Velocity of Propagation: 84%
Voltage rating: 300V
SRL 5-1000 MHz: -20dB
SRL 1-3 GHz: -15dB

Regulatory

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

Packages

Reel: 1000' | 305M
Weight: 31 Lbs/1000' | 47 Kg/KM

Installation

Pull Tension: 137 Lbs | 609 N
Bend radius: 2.60" | 66mm unloaded
Bend radius: 5.20" | 132mm 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 CATV and DBS modulated video
Plenum CATV and DBS where DC is not required
Plenum Broadband video and cable modem

Performance

CATV to 225 feet
DBS to 150 feet

Final Outside Diameter (inches)

0.268

August 4, 2010





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RG6 Coaxial Sweep to 3.0 GHz

| Frequency | Attenuation | |
|-----------|-------------|---------|
| | dB/100FT | dB/100m |
| 1 | 0.40 | 1.31 |
| 50 | 1.60 | 5.25 |
| 100 | 2.20 | 7.22 |
| 200 | 3.00 | 9.84 |
| 400 | 4.33 | 14.20 |
| 900 | 7.30 | 23.94 |
| 1000 | 7.90 | 25.91 |
| 1450 | 9.70 | 31.82 |
| 1800 | 11.00 | 36.08 |
| 2200 | 12.00 | 39.36 |
| 3000 | 13.80 | 45.26 |

