



Technical Specifications

Product Line: RG11-BC-CATV-DB

Description

14 AWG solid core bare copper dual shielded RG11 CATV/DBS coaxial cable sunlight resistant and suitable for direct burial. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725, 800 and 820.

Conductor

14 AWG
Solid annealed bare copper conductor
Diameter: 0.0641" | 1.63mm

Electrical

DC resistance: 2.90 Ω / 1000' | 9.51 Ω /KM
Shield DCR: 6.9 Ω / 1000' | 22.63 Ω /KM
Mutual capacitance: 16.2 pF/FT | 53.1 pF/M
Impedance: 75 \pm 3 Ω
Velocity of Propagation: 82%
Voltage rating: 300V
SRL 5-2200 MHz: -20dB
SRL 2.2-3 GHz: -17dB

Insulation

Foam polyethylene
Wall thickness: 0.108" | 2.74mm
Diameter: 0.280" | 7.11mm

Regulatory

Sunlight resistant
Suitable for direct burial
EU RoHS 2002/95/EC Compliant

Color Code

Natural

Packages

Reel: 1000' | 305M
Weight: 61 Lbs/1000' | 91 Kg/KM

Assembly

Silicon gel water repellent compound flooded in braid shield interstices

Installation

Pull Tension: 260 Lbs | 1156 N
Bend radius: 4.05" | 103mm unloaded
Bend radius: 8.10" | 206mm loaded

Construct

N/A

Applications

Outdoor residential CATV and DBS modulated video
Outdoor CATV and DBS where DC is required
Outdoor Broadband video and cable modem

Shield

100% bonded aluminum/poly/aluminum
60% 16x6/34 AWG aluminum braid shield

Performance

CATV to 379 feet
DBS to 253 feet

Jacket

Polyethylene
Colors: Black
Wall thickness: 0.045" | 1.14mm
Diameter: 0.405" | 10.29mm

Final Outside Diameter (inches)

0.405

Specification Revision Date:

March 27, 2008





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RG11 Coaxial Sweep to 3.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.15	0.49
50	0.90	2.95
100	1.28	4.20
200	1.85	6.07
400	2.75	9.02
900	4.72	15.48
1000	5.04	16.53
1450	6.67	21.88
1800	7.71	25.29
2200	8.50	27.88
3000	9.93	32.57

