



Technical Specifications

Product Line: QUADFLEX-US

Description

18 AWG solid core CCS quad shielded RG6 CATV/DBS coaxial cable manufactured in the United States of America. NEC type CMR 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 conductor
Diameter: 0.0403" | 1.02mm

Insulation

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

Color Code

Natural

Assembly

N/A

Construct

N/A

Shield

100% bonded aluminum/poly foil
60% 16x4/34 AWG aluminum braid shield
100% aluminum/poly/aluminum foil
40% 16x3/34 AWG aluminum braid shield

Jacket

Polyvinyl chloride
Colors: White, Black
Wall thickness: 0.030" | 0.75mm
Diameter: 0.300" | 7.62mm

Specification Revision Date:

Electrical

DC resistance: 36.28 Ω / 1000' | 119 Ω /KM
Mutual capacitance: 16.2 pF/FT | 53.14 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

Regulatory

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

Packages

Reel: 1000' | 305M
Weight: 33 Lbs/1000' | 49 Kg/KM

Installation

Pull Tension: 162 Lbs | 720 N
Bend radius: 3.00" | 77mm unloaded
Bend radius: 6.00" | 155mm loaded

Applications

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

Performance

CATV to 237 feet
DBS to 158 feet

Final Outside Diameter (inches)

0.300

March 26, 2012





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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

