

Technical Specifications

Product Line: RGB5C-PLN

Description

RGB cable with five 26 AWG stranded core dual shielded mini-high resolution coaxial cables jacketed under an overall jacket
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

26 AWG
7-strand tinned annealed bare copper conductors
Diameter: 0.018" | 0.46mm

Electrical

DC resistance: 41.0 Ω / 1000' | 134.48 Ω /KM
Shield DCR: 13.1 Ω / 1000' | 42.97 Ω /KM
Mutual capacitance: 16.0 pF/FT | 52.48 pF/M
Impedance: 75 \pm 3 Ω
Velocity of Propagation: 83%
Voltage rating: 300V
SRL 5-450 MHz: -17 dB

Insulation

Foam fluoropolymer
Wall thickness: 0.026" | 0.66mm
Diameter: 0.070" | 1.78mm

Regulatory

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

Shield

Each coaxial cable
100% aluminum/poly tape
95% 52/38 AWG tinned copper spiral serve shield

Packages

Reel: 1000' | 305M
Weight: 60 Lbs/1000' | 90 Kg/KM

Inner Jacket and Diameter

Plenum rated polyvinyl chloride
Wall thickness: 0.010" | 0.24mm
Diameter: 0.100" | 2.54mm

Installation

Pull Tension: 44 Lbs | 196 N
Bend radius: 3.40" | 87mm unloaded
Bend radius: 6.80" | 174mm 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

Color Code

Inner coaxial jackets
Red, Green, Blue, White, Yellow

Applications

Plenum Component Video, A/V, Composite Video, RGBHV
Plenum analog audio unbalanced formats
Plenum digital audio unbalanced formats

Contract

5 jacketed coaxial cables cabled on a common axis
Ripcord under jacket

Performance

HD-Component to 86 feet
CCTV to 216 feet
Analog RCA audio 125 feet
S/PDIF digital audio 216 feet

Jacket

Plenum rated polyvinyl chloride
Colors: Black
Wall thickness: 0.032" | 0.81mm
Diameter: 0.340" | 8.64mm

Final Outside Diameter (inches)

0.340

Specification Revision Date:

May 14, 2013

Mini-High Resolution Coaxial Sweep to 1.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.60	1.97
3.58	1.12	3.67
10	1.90	6.23
71.5	4.80	15.74
135	7.10	23.29
200	7.40	24.27
400	11.80	38.70
1000	21.40	70.19