



Technical Specifications

Product Line: RGB6C/22-2P-PLN

Description

RGB Composite cable with six 26 AWG stranded core dual shielded mini-high resolution coaxial cables and two 22 AWG pairs 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.

Component 1:

Mini high resolution coaxial cables
26 AWG 7-strand tinned annealed bare copper
Foam fluoropolymer dielectric insulation
Wall thickness: 0.0265" | 0.67mm
Diameter: 0.072" | 1.83mm
95% 52/38 tinned copper spiral serve shield
100% aluminum/poly shield foil in
Plenum rated polyvinyl chloride coaxial jacket
Wall thickness: 0.0095" | 0.24mm
Diameter: 0.102" | 2.59mm

Component 2:

22 AWG jacketed pairs
22 AWG 19-strand tinned annealed bare copper
Plenum rated polyvinyl chloride insulation
Wall thickness: 0.007" | 0.18mm
Diameter: 0.044" | 1.12mm
two conductors twisted and shielded
100% aluminum/poly tape foil in
22 AWG 7-strand tinned copper drain
Plenum rated polyvinyl chloride coaxial jacket
Wall thickness: 0.0095" | 0.24mm
Diameter: 0.102" | 2.59mm

Color Code

Inner coaxial jackets
Red, Green, Blue, White, Yellow, Black
22 AWG pair jackets
Red, Black
22 AWG color code
Black jacket: White, Black
Red jacket: Red, Black

Assembly

6 jacketed coaxial cables and 1 jacketed pair cabled around 1 jacketed pair

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
22/2P DC resistance: 16.2 Ω / 1000' | 53.14 Ω /KM
Maximum current: (22 AWG) 2.0A@25°C

Regulatory

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

Packages

Reel: 500' | 152M
Reel: 1000' | 305M
Weight: 86 Lbs/1000' | 129 Kg/KM

Installation

Pull Tension: 88 Lbs | 392 N
Bend radius: 3.70" | 94mm unloaded
Bend radius: 7.40" | 188mm 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





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Construct

Nomex ribbon binder
 Ripcord under jacket

Shield

See individual component descriptions

Jacket

Plenum rated polyvinyl chloride
 Colors: Matte Black, Natural White
 Wall thickness: 0.016" | 0.41mm
 Diameter: 0.370" | 9.40mm

Specification Revision Date:

Applications

Plenum Component Video, A/V, Composite Video, RGBHV
 Projector support cable for multi-channel video, audio options
 Plenum analog audio unbalanced formats
 Plenum digital audio unbalanced formats

Performance

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

Final Outside Diameter (inches)

0.370

December 4, 2010

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

