

Technical Specifications

Product Line: **16-6C-RGBW**

Description

6 conductor 16 AWG stranded, twisted, and unshielded cable NEC type CL3R. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC article 725, 800, and 760.

Conductor

16 AWG
 26-strand annealed tinned copper conductors
 Diameter: 0.0589" | 1.50mm

Electrical

DC resistance: 4.04 Ω / 1000' | 13.25 Ω /KM
 Mutual capacitance: 47.96 pF/FT | 157.31 pF/M
 Impedance: 31 Ω
 Inductance: 0.07 μ H/FT | 0.22 μ H/M
 Velocity of Propagation: 55%
 Voltage rating: 300V
 Maximum current: 5.0A@25°C

Insulation

Polyvinyl chloride
 Wall thickness: 0.10" | 0.25mm
 Diameter: 0.079" | 2.00mm

Regulatory

NEC: CMR 75°C
 CEC: CMR FT4 60°C
 EU RoHS III 2015/863/EU Compliant
 REACH (EC) No 1907/2006 Compliant

Color Code

Black, Red, White, Green, Blue, Brown

Packages

Nested Box: 250' | 76M
 Weight: 72Lbs/1000' | 107 Kg/KM

Assembly

6 conductors twisted
 Lay length: 5.25" | 133mm
 2.29 twists per foot | 7.50 twists per meter

Installation

Pull Tension: 48 Lbs | 214 N
 Bend radius: 2.75" | 70mm unloaded
 Bend radius: 5.50" | 140mm loaded

Construct

Ripcord under jacket

Applications

General purpose Strip LED power cabling
 General purpose speaker level audio
 General purpose 70V commercial speaker audio
 General purpose Class 2 and Class 3 power

Shield

N/A

Performance

Speaker level audio to 50 feet
 Strip LED Power to 44 feet

Jacket

Flame rated polyvinyl chloride
 Colors: Black
 Wall thickness: 0.025" | 0.635mm
 Diameter: 0.275" | 6.99mm

Final Outside Diameter (inches)

0.275

Specification Revision Date:

May 22, 2019