

## Technical Specifications

Product Line: **14-6C-RGBW**

### Description

6 conductor 14 AWG stranded, twisted, and unshielded cable NEC type CL3R. Product manufactured compliant to the requirements of UL13 for installations and applications in accordance with NEC article 725, 800, and 760.

### Conductor

14 AWG  
 41-strand annealed tinned copper conductors  
 Diameter: 0.077" | 1.96mm

### Electrical

DC resistance: 2.75  $\Omega$  / 1000' | 9.02  $\Omega$ /KM  
 Mutual capacitance: 50.9 pF/FT | 166.8 pF/M  
 Impedance: 30  $\Omega$   
 Inductance: 0.07 $\mu$ H/FT | 0.22 $\mu$ H/M  
 Velocity of Propagation: 55%  
 Voltage rating: 300V  
 Maximum current: 6.4A@25°C

### Insulation

Polyvinyl chloride  
 Wall thickness: 0.11" | 0.28mm  
 Diameter: 0.099" | 2.51mm

### Regulatory

NEC: CL3R 75°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: 110Lbs/1000' | 164 Kg/KM

### Assembly

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

### Installation

Pull Tension: 198 Lbs | 880 N  
 Bend radius: 3.32" | 85mm unloaded  
 Bend radius: 6.64" | 169mm 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 80 feet  
 Strip LED Power to 70 feet

### Jacket

Flame rated polyvinyl chloride  
 Colors: Black  
 Wall thickness: 0.025" | 0.635mm  
 Diameter: 0.332" | 8.43mm

### Final Outside Diameter (inches)

0.332

Specification Revision Date:

May 22, 2019