

## Technical Specifications

**Product Line:** 18-2C-VP

### Description

2 conductor 18 AWG solid, twisted, and unshielded cable NEC type CMR and CEC type CMG FT4. Special color code specific to low voltage ballast 0-10V wiring protocol. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC article(s) 725 and 800.

### Conductor

18 AWG  
 Solid annealed bare copper conductors  
 Diameter: 0.0403" | 1.024mm

### Electrical

DC resistance: 6.50  $\Omega$  / 1000' | 21.30  $\Omega$ /KM  
 Mutual capacitance: 31.0 pF/FT | 101.90 pF/M  
 Impedance: 33  $\Omega$   
 Velocity of Propagation: 55%  
 Voltage rating: 300V  
 Maximum current: 3.75A@25°C

### Insulation

Polyvinyl chloride  
 Wall thickness: 0.010" | 0.25mm  
 Diameter: 0.060" | 1.53mm

### Regulatory

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

### Color Code

Violet, Pink

### Packages

Reel: 1000' | 305M  
 Weight: 18 Lbs/1000' | 27 Kg/KM

### Assembly

2 conductors twisted  
 Lay length: 2.0" | 50mm  
 6.0 twists per foot | 20 twists per meter

### Installation

Pull Tension: 26 Lbs | 116 N  
 Bend radius: 1.61" | 41mm unloaded  
 Bend radius: 3.22" | 82mm loaded

### Construct

Ripcord under jacket

### Applications

Riser low voltage LED ballast connection and wiring  
 General purpose Class 2 and 3 power

### Shield

N/A

### Performance

Ballast link maximum 550 feet

### Jacket

Flame rated polyvinyl chloride  
 Colors: Gray  
 Wall thickness: 0.020" | 0.51mm  
 Diameter: 0.161" | 4.08mm

### Final Outside Diameter (inches)

0.161

Specification Revision Date:

November 11, 2021