



**Technical Specifications**  
**Product Line: 18-3C-OC**

**Description**

3 conductor 18 AWG stranded, twisted, and unshielded cable NEC type CMR and CEC type CMG FT4. Special color code for direct occupancy sensor wiring. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725 and 800.

**Conductor**

18 AWG  
7-strand annealed tinned copper conductors  
Diameter: 0.0454" | 1.15mm

**Electrical**

DC resistance: 7.02  $\Omega$  / 1000' | 23.0  $\Omega$ /KM  
Mutual capacitance: 29.4 pF/FT | 96.3 pF/M  
Impedance: 35  $\Omega$   
Velocity of Propagation: 55%  
Voltage rating: 300V  
Maximum current: 3.75A@25 °C

**Insulation**

Polyvinyl chloride  
Wall thickness: 0.010" | 0.25mm  
Diameter: 0.063" | 1.60mm

**Regulatory**

NEC: CMR 75 °C  
CEC: CMG FT4 60 °C  
EU RoHS-2 2011/65/EU Compliant

**Color Code**

Black, Red, Blue

**Packages**

Reel: 1000' | 305M  
Weight: 32 Lbs/1000' | 48 Kg/KM

**Assembly**

3 conductors twisted  
Lay length: 3.0" | 80mm  
4.0 twists per foot | 12.5 twists per meter

**Installation**

Pull Tension: 43 Lbs | 192 N  
Bend radius: 1.76" | 45mm unloaded  
Bend radius: 3.52" | 90mm loaded

**Construct**

Ripcord under jacket

**Applications**

lighting occupancy sensor cabling  
Plenum Class 2 and 3 power

**Shield**

N/A

**Performance**

Maximum run 500 feet  
At full load max recommended is 54 feet

**Jacket**

Flame rated polyvinyl chloride  
Colors: Gray  
Wall thickness: 0.020" | 0.51mm  
Diameter: 0.175" | 4.47mm

**Final Outside Diameter (inches)**

0.176

Specification Revision Date:

January 14, 2015

