



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 Ω / 1000' | 23.0 Ω /KM
Mutual capacitance: 29.4 pF/FT | 96.3 pF/M
Impedance: 35 Ω
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:

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205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com

