



Technical Specifications
Product Line: 18-3C-OCP

Description

3 conductor 18 AWG stranded, twisted, and unshielded cable NEC type CMP and CEC type CMP FT6. 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: 34.6 pF/FT | 113.61 pF/M
Impedance: 30 Ω
Velocity of Propagation: 55%
Voltage rating: 300V
Maximum current: 3.75A@25 °C

Insulation

Plenum rated polyvinyl chloride
Wall thickness: 0.009" | 0.23mm
Diameter: 0.061" | 1.55mm

Regulatory

NEC: CMP 75 °C
CEC: CMP FT6 60 °C
EU RoHS-2 2011/65/EU Compliant

Color Code

Black, Red, Blue

Packages

Reel: 1000' | 305M
Weight: 28 Lbs/1000' | 42 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: 1.61" | 41mm unloaded
Bend radius: 3.22" | 82mm loaded
Plenum cable should be conditioned at room temperature for 24 hours prior to installation and never installed below 32 °F | 0 °C ambient temperature

Construct

Ripcord under jacket

Applications

Plenum 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

Plenum rated polyvinyl chloride
Colors: Natural White
Wall thickness: 0.015" | 0.38mm
Diameter: 0.161" | 4.09mm

Final Outside Diameter (inches)

0.161

Specification Revision Date:

January 14, 2015

