



Technical Specifications
Product Line: 18-2C-LVBP

Description

2 conductor 18 AWG solid, twisted, and unshielded cable NEC type CMP and CEC type CMP FT6. 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 articles 725 and 800.

Conductor

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

Electrical

DC resistance: 6.50 Ω / 1000' | 21.30 Ω /KM
Mutual capacitance: 36.8 pF/FT | 120.70 pF/M
Impedance: 28 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: 0.058" | 1.48mm

Regulatory

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

Color Code

Violet, Gray

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: 1.47" | 38mm unloaded
Bend radius: 2.94" | 76mm 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 low voltage LED ballast connection and wiring
Plenum Class 2 and 3 power

Shield

N/A

Performance

Ballast link maximum 550 feet

Jacket

Plenum rated polyvinyl chloride
Colors: Natural White
Wall thickness: 0.015" | 0.38mm
Diameter: 0.147" | 3.72mm

Final Outside Diameter (inches)

0.147

Specification Revision Date:

February 5, 2015

