

Technical Specifications

Product Line: 18-2C-LVB

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 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: 31.0 pF/FT | 101.90 pF/M
Impedance: 33 Ω
Velocity of Propagation: 55%
Voltage rating: 300V
Maximum current: 3.75A@25 °C

Insulation

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

Regulatory

NEC: CMR 75 °C
CEC: CMG FT4 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: 1.61" | 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:

February 5, 2015