

# LIGHTING CONTROL CABLE

## 22 AWG 2 CONDUCTOR (SHIELDED)

## 16 AWG 2 CONDUCTOR



### DESCRIPTION

Control Panel Cable, CMR/CL3R Riser Rated Jacket,  
2 x 22-AWG Shielded / 2 x 16-AWG Stranded Bare  
Copper Conductors, Overall Clear Tape.

### FEATURES

- High Grade Lighting Control System Cable
- In-Home, Commercial, and Industrial Lighting Applications
- Used in Conjunction with Security & Sensor Systems
- Light Dimmers, Environmental Sensors, Smart Eco-Friendly Lighting Control
- 2 x 22-AWG + 2 x 16-AWG Stranded Bare Copper Conductors
- Exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications
- CAN/CSA-C22.2 No. 214, RoHS compliant
- CMR/CL3 Rated
- ETL listed



### 214-2323/WH

#### TRANSMISSION PERFORMANCE

Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

#### CONSTRUCTION

Conductors: 4  
Color Coding: 22 AWG: White / Blue  
16 AWG: Red / Black  
Drain Wire (Tinned Copper): 0.016 in. (0.40 mm)  
Screen: 22 AWG: Foiled  
16 AWG: Unscreened

#### CONDUCTORS

Material: Stranded bare Copper  
Size: 22 AWG / 16 AWG  
Stranding: 22 AWG: 7 Strand  
16 AWG: 26 Strand

#### INSULATION

Material: 22 AWG: Foamed Polyethylene (PE)  
16 AWG: Polyvinyl Chloride (PVC)  
Average thickness: 22 AWG: 0.0244 in. (0.62 mm)  
16 AWG: 0.0122 in. (0.31 mm)  
Diameter: 22 AWG: 0.0787 in. (2.00 mm)  
16 AWG: 0.0827 in. (2.10 mm)

#### JACKET

Material: Polyvinyl Chloride (PVC)  
Outer diameter: 0.29 in. (7.30 mm)  
Average thickness: 0.0315 in. (0.80 mm)  
Marking: VERTICAL 5024318 c(ETL)us CMR/CL3R 22AWG 2C BC STRANDED SHIELDED + 16AWG 2C BC STRANDED 75C CONTROL CABLE RoHS V2094P13834 XXXXFT

#### ELECTRICAL

Voltage rating: 30 V<sub>RMS</sub>

#### MECHANICAL

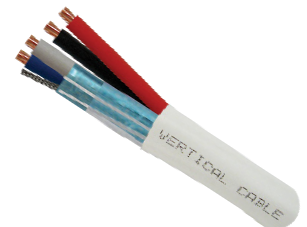
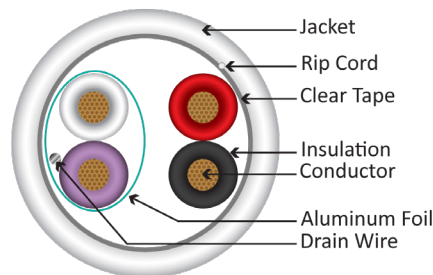
Before Tensile Strength (Mpa): ≥13.8 MPa  
Elongation After Aging (%): ≥100  
Aging Conditions (°C × h): 100x168  
Tensile Strength After Aging (Mpa): ≥85% of unaged  
Elongation After Aging (%): ≥50% of unaged  
Cold Bend (-40±2° Cx4hrs): No Crack  
Conductor Resistance: 22 AWG: Max 53.5 Ohm/km at 20°C  
16 AWG: Max 15.5 Ohm/km at 20°C

#### ENVIRONMENTAL

Operating temperature: -4 °F-167 °F (-20 °C-75 °C)

#### WEIGHT

214-2323/WH: 51 lb



## VERTICAL CABLE

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713.322.7242 Texas



verticalcable.com

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Subject to change without notice.