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1-800-Belden1



### General Description:

Lighting & Automation Cable, Rated-CL3, 2-16 AWG bare copper conductors unshielded, PVC insulation (power), 1-18 AWG bare copper conductor unshielded, PVC insulation and 1 (data) triad 22 AWG stranded bare copper, PVC insulation, Beldfoil®shield w drain, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | # Triads | AWG | Stranding | Conductor Material |
|--------------|----------|-----|-----------|--------------------|
|              | 1        | 22  | 7x30      | BC - Bare Copper   |
| 1            |          | 18  | 19x30     | BC - Bare Copper   |
| 2            |          | 16  | 26x30     | BC - Bare Copper   |

Total Number of Conductors: 6

#### Insulation

Insulation Material:

| Insulation Material      | AWG |
|--------------------------|-----|
| PE - Polyethylene        | 22  |
| PVC - Polyvinyl Chloride | 18  |
| PVC - Polyvinyl Chloride | 16  |

#### Inner Shield

Inner Shield Material:

| Layer # | Inner Shield Trade Name | Type | Inner Shield Material        | Coverage (%) |
|---------|-------------------------|------|------------------------------|--------------|
| 22 AWG  | Beldfoil®               | Tape | Aluminum Foil-Polyester Tape | 100.000      |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 24  |

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded            |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    |
|--------------------------|
| PVC - Polyvinyl Chloride |

Outer Jacket Ripcord: No

#### Overall Cable

Overall Nominal Diameter: 0.342 in.

#### Pair

Pair Color Code Chart:

| Number | Color                        |
|--------|------------------------------|
| 1      | Purple, White & Gray (22AWG) |
| 2      | Red & Black (16AWG)          |
| 3      | Yellow/Green (18AWG)         |

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 66 lbs/1000 ft.

Max. Recommended Pulling Tension: 132 lbs.

## 1388LA Multi-Conductor - Media, Automation and Lighting Control

Min. Bend Radius/Minor Axis: 3.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                    |         |
|------------------------------------|---------|
| NEC/(UL) Specification:            | CL3, CM |
| CEC/C(UL) Specification:           | CM      |
| EU Directive 2011/65/EU (ROHS II): | Yes     |
| EU CE Mark:                        | Yes     |
| EU Directive 2000/53/EC (ELV):     | Yes     |
| EU Directive 2002/95/EC (RoHS):    | Yes     |
| EU Directive 2002/96/EC (WEEE):    | Yes     |
| EU Directive 2003/11/EC (BFR):     | Yes     |
| CA Prop 65 (CJ for Wire & Cable):  | Yes     |
| MII Order #39 (China RoHS):        | Yes     |

#### Flame Test

UL Flame Test: UL1581 Vertical Tray

#### Suitability

Suitability - Indoor: Yes

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Nom. Conductor DC Resistance:

| Description | DCR @ 20°C (Ohm/1000 ft) |
|-------------|--------------------------|
| 22AWG       | 16.100                   |
| 18AWG       | 6.500                    |
| 16AWG       | 4.200                    |

#### Max. Operating Voltage - UL:

| Voltage   |
|-----------|
| 300 V RMS |

#### Max. Recommended Current:

| Description | Current                       |
|-------------|-------------------------------|
| 22AWG       | 3.3 Amps per conductor @ 25°C |
| 18AWG       | 6.3 Amps per conductor @ 25°C |
| 16AWG       | 7.9 Amps per conductor @ 25°C |

### Notes (Overall)

Notes: Sequential footage marking every two feet.

### Put Ups and Colors:

| Item #        | Putup  | Ship Weight | Color | Notes | Item Desc                        |
|---------------|--------|-------------|-------|-------|----------------------------------|
| 1388LA 009250 | 250 FT | 18.000 LB   | WHITE |       | 2#16, 1#18, 1 FS TRIAD #22 FRPVC |

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