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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: 8.687 mm

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: 98.221 Kg/Km

Max. Recommended Pulling Tension: 587.162 N

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

Min. Bend Radius/Minor Axis: 88.900 mm

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/km) |
|-------------|---------------------|
| 22AWG | 52.824 |
| 18AWG | 21.327 |
| 16AWG | 13.780 |

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 |

Revision Number: 1 Revision Date: 03-13-2013

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