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please call

1-800-Belden1



### General Description:

22 AWG stranded (7x30) tinned copper conductors, PP insulation, twisted pair, black LSZH jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2            | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 2

#### Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PP - Polypropylene  | 0.015                |

#### Outer Shield

Outer Shield Material:

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

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material         | Nom. Wall Thickness (in.) |
|-------------------------------|---------------------------|
| LSZH - Low Smoke Zero Halogen | 0.025                     |

#### Overall Cable

Overall Cabling Lay Length & Direction:

| Length (in.) |
|--------------|
| 1.5          |

Overall Cabling Color Code Chart:

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | Red   |

Overall Nominal Diameter: 0.168 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 12 lbs/1000 ft.

Max. Recommended Pulling Tension: 18 lbs.

Min. Bend Radius/Minor Axis: 1.650 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

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 RoHS Compliance Date (mm/dd/yyyy): 05/07/2012

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

## 8442NH Multi-Conductor - GreenChoice Multi Conductor

|                                   |                    |
|-----------------------------------|--------------------|
| CA Prop 65 (CJ for Wire & Cable): | Yes                |
| MIL Order #39 (China RoHS):       | Yes                |
| <b>Flame Test</b>                 |                    |
| UL Flame Test:                    | UL1685 FT4 Loading |
| C(UL) Flame Test:                 | FT4                |
| <b>Suitability</b>                |                    |
| Suitability - Indoor:             | Yes                |
| Non-halogenated:                  | Yes                |
| <b>Plenum/Non-Plenum</b>          |                    |
| Plenum (Y/N):                     | No                 |

### Electrical Characteristics (Overall)

**Nom. Inductance:**

Inductance (µH/ft)

.2

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

12.500

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

15.6

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Max. Recommended Current:**

Current

2.9 Amps per conductor @ 25°C

### Put Ups and Colors:

| Item #         | Putup    | Ship Weight | Color | Notes | Item Desc      |
|----------------|----------|-------------|-------|-------|----------------|
| 8442NH 0101000 | 1,000 FT | 13.000 LB   | BLACK | C     | 2 #22 PO NHRPO |
| 8442NH 010500  | 500 FT   | 7.000 LB    | BLACK |       | 2 #22 PO NHRPO |

**Notes:**

C = CRATE REEL PUT-UP.

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