

# WIREFATH

## BULK WIRE

### SP-LUT1-1000 or -500

22AWG, 2 Conductor Shielded + 16 AWG, 2 Conductor Unshielded, CL3

### Features

- Oxygen - Free Copper conductors ensure signal integrity
- Designed for short- and medium-length runs.

### Application

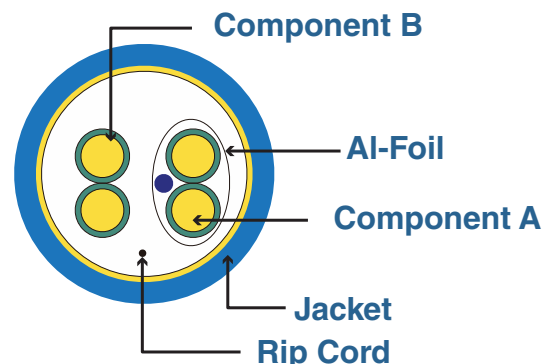
- Power limited circuit cable for use a fixed wiring within buildings principally for class 3 and class 2 circuits.
- Control system applications such as Crestron, Lutron, and AMX
- Transfers data and power over a single bundle

### Flame Test

- UL & C(UL) Flame Test: CL3 & FT4
- Rated Temp: 75°C
- Rated Voltage: 300V
- Production Standard: UL 444
- UL Certification: (UL) and c(UL) CL3

### Applicable Standards

- |                           |     |
|---------------------------|-----|
| • NEC/(UL) Specifications | CL3 |
| • NEC Articles            | 725 |
| • CEC/(UL) Specifications | CL3 |



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| Material and Construction                     |   |                     |
|---|---|---------------------|
| <b>Component A</b>                            |   | 2 x 22 AWG Shielded |
| Cond. Material                                | Oxygen Free Copper Wire   |                     |
| AWG   | 22 (7/0.25 mm)  |                     |
| Insulation Material                           | Foamed PE with Skin   |                     |
| Insulation Diameter                           | 1.8mm ± 0.2 mm  |                     |
| Insulation Thickness                          | 0.60 ± 0.15 mm  |                     |
| Insulation Color                              | White/Blue  |                     |
| Drain Wire                                    | 7/0.20TC  |                     |
| Al-Foil Shielding                             | 100% Coverage   |                     |
| <b>Component B</b>                            |   | 2x16 AWG Unshielded |
| Cond. Material                                | Oxygen Free Copper Wire   |                     |
| AWG   | 16 (26/0.25 mm)   |                     |
| Insulation Material                           | SR PVC  |                     |
| Insulation Diameter                           | 2.15 mm ± 0.2 mm  |                     |
| Insulation Thickness                          | 0.35 ± 0.10 mm  |                     |
| Insulation Color                              | Red/Black   |                     |
| <b>Components A &amp; B Combined Together</b> |   |                     |
| Rip Cord                                      | 150D*3  |                     |
| Jacket  | PVC   |                     |
|   | Outer Diameter  | 5.8 mm              |
|   | Norm. Thickness   | 0.65 mm             |
| Marking                                       | WIREFATH™ BULK WIRE BY SNAP ONE LUT1 OXYGEN FREE COPPER 16AWG 2C + 22AWG 1PR SHIELDED E325181-HY (UL) CL3 or E325177-HY c(UL) CMG FT4 75C IEC 60332-1-2 EN50399 EN50575:2014 CE EU DDMMYY "ROHS" XXX/XXX FT |                     |

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### Performance

#### Physical & Electrical Characteristics (at 20°C)

|             |           |                |
|-------------|-----------|----------------|
| Component A | Impedance | 100 ± 15 ohms  |
|             | Capacity  | 11 ± 2 Pf/ft   |
| Cond. DCR   | 16 AWG    | ≤ 13.7 ohms/KM |
|             | 22 AWG    | ≤ 55.4 ohms/KM |

### Physical & Electrical Characteristics (at 20°C)

|                 |                                   |
|-----------------|-----------------------------------|
| Component A     | White & Blue                      |
| Component B     | Black & Red                       |
| Jacket          | Non-Brightness Blue: Pantone 279U |
|                 | With Orange: Pantone 1505 Stripe  |
| Packaging       | 1000ft on Spool                   |
| Dimensions (in) | 15.0" x 7.1" x 5.9"               |
| Dimensions (mm) | 380 mm x 180 mm x 150 mm          |
| Weight (lbs)    | 45                                |
| Packaging       | 500 ft on Spool                   |
| Dimensions (in) | 10.6" x 7.1" x 4.3"               |
| Dimensions (mm) | 270 mm x 180 mm x 110 mm          |
| Weight (lbs)    | 22                                |

Values above 250MHz are for information only.