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please call

1-800-Belden1



### General Description:

22 AWG stranded (7x30) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 2

#### Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PE - Polyethylene   | 0.017                |

#### Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material                        | Coverage (%) |
|-------------------------|------|--|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape w/shorting fold | 100.000      |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 22  | Stranded  | TC - Tinned Copper            |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .025                      |

#### Overall Cable

Overall Cabling Lay Length & Direction:

| Length (in.) | Direction | Twists (twist/ft) |
|--------------|-----------|-------------------|
| 2.000        | Left Hand | 6.000             |

Overall Nominal Diameter: 0.175 in.

#### Pair

Pair Color Code Chart:

| Number | Color         |
|--------|---------------|
| 1      | Black & Clear |

### Mechanical Characteristics (Overall)

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range:      | -20°C To +60°C           |
| UL Temperature Rating:            | 60°C (UL AWM Style 2092) |
| Bulk Cable Weight:                | 16 lbs/1000 ft.          |
| Max. Recommended Pulling Tension: | 27 lbs.                  |
| Min. Bend Radius/Minor Axis:      | 1.750 in.                |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                    |                            |
|------------------------------------|----------------------------|
| NEC/(UL) Specification:            | CM                         |
| NEC Articles:                      | 800                        |
| CEC/(UL) Specification:            | CM                         |
| AWM Specification:                 | UL Style 2092 (300 V 60°C) |
| 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): | 01/01/2004 |
| EU Directive 2002/96/EC (WEEE):       | Yes        |
| EU Directive 2003/11/EC (BFR):        | Yes        |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |
| MIL Order #39 (China RoHS):           | Yes        |

**Flame Test**

|                 |                   |
|-----------------|-------------------|
| UL Flame Test:  | UL1685 UL Loading |
| CSA Flame Test: | FT1               |

**Suitability**

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

**Plenum/Non-Plenum**

|                |                     |
|----------------|---------------------|
| Plenum (Y/N):  | No                  |
| Plenum Number: | 88761, 87761, 82761 |

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

|                        |
|------------------------|
| <b>Impedance (Ohm)</b> |
| 64                     |

**Nom. Inductance:**

|                           |
|---------------------------|
| <b>Inductance (µH/ft)</b> |
| 0.2                       |

**Nom. Capacitance Conductor to Conductor:**

|                            |
|----------------------------|
| <b>Capacitance (pF/ft)</b> |
| 24                         |

**Nom. Capacitance Cond. to Other Conductor & Shield:**

|                            |
|----------------------------|
| <b>Capacitance (pF/ft)</b> |
| 47                         |

**Nom. Conductor DC Resistance:**

|                                 |
|---------------------------------|
| <b>DCR @ 20°C (Ohm/1000 ft)</b> |
| 16                              |

**Max. Operating Voltage - UL:**

|                               |
|-------------------------------|
| <b>Voltage</b>                |
| 300 V RMS (UL AWM Style 2092) |

**Max. Recommended Current:**

| Description          | Current                               |
|----------------------|---------------------------------------|
| 10C temperature rise | 2.9 Amps per conductor @ 25°C ambient |

**Put Ups and Colors:**

| Item #        | Putup     | Ship Weight | Color  | Notes | Item Desc       |
|---------------|-----------|-------------|--------|-------|-----------------|
| 8761 060U1000 | 1,000 FT  | 17.000 LB   | CHROME |       | 2 #22 PE FS PVC |
| 8761 060U500  | 500 FT    | 9.000 LB    | CHROME |       | 2 #22 PE FS PVC |
| 8761 0601000  | 1,000 FT  | 18.000 LB   | CHROME | C     | 2 #22 PE FS PVC |
| 8761 06010000 | 10,000 FT | 170.000 LB  | CHROME | C Y   | 2 #22 PE FS PVC |
| 8761 06010001 | 10,000 FT | 170.000 LB  | CHROME | C Z   | 2 #22 PE FS PVC |
| 8761 06015000 | 15,000 FT | 270.000 LB  | CHROME | C Y   | 2 #22 PE FS PVC |
| 8761 0602000  | 2,000 FT  | 36.000 LB   | CHROME |       | 2 #22 PE FS PVC |
| 8761 060500   | 500 FT    | 9.000 LB    | CHROME |       | 2 #22 PE FS PVC |
| 8761 0605000  | 5,000 FT  | 90.000 LB   | CHROME | C     | 2 #22 PE FS PVC |

**Notes:**

C = CRATE REEL PUT-UP.  
 Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.  
 Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

## 8761 Multi-Conductor - Single-Pair Cable

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