

## 5502FE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**Description:**

22 AWG bare copper conductors, PP insulation, cabled, Beldfoil® shield tape (foil side out) with drain wire, PVC jacket with ripcord. Sequential footage marking every two feet.

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 4            | 22  | 7x30      | BC - Bare Copper   |

**Insulation****Insulation Material:**

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PP - Polypropylene  | 0.007                |

**Outer Shield****Outer Shield Material:**

| Outer Shield Trade Name | Type | Outer Shield Material                        | Coverage (%) |
|-------------------------|------|----------------------------------------------|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 100          |

**Outer Shield Drain Wire AWG:**

| AWG | Stranding | Drain Wire         | Conductor Material |
|-----|-----------|--------------------|--------------------|
| 24  | 7x32      | TC - Tinned Copper |                    |

**Outer Jacket****Outer Jacket Material:**

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.017                     |

**Outer Jacket Ripcord:**

Yes

**Overall Cable****Overall Cabling Lay Length & Direction:**

| Length (in.) | Twists (ft.) |
|--------------|--------------|
| 2.500        | 4.800        |

**Overall Cabling Color Code Chart:**

| Color |
|-------|
| Black |
| Red   |
| White |
| Green |

**Overall Nominal Diameter:**

0.139 in.

**Mechanical Characteristics (Overall)**

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

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 17 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 42 lbs.

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Min. Bend Radius (Install)/Minor Axis: 1.375 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|                                       |            |
|---------------------------------------|------------|
| NEC(UL) Specification:                | CMR        |
| NEC Articles:                         | 800        |
| CEC/C(UL) Specification:              | CMG        |
| 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): | 04/01/2005 |
| 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:  | UL1666 Vertical Shaft |
| CSA Flame Test: | FT4                   |

## Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6502FE |

## Surface Printing (Overall)

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 24.000              |

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 43.250              |

## Nom. Conductor DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 16.4                     |

## Nominal Outer Shield DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 16.1                     |

## Max. Operating Voltage - UL:

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

## Max. Recommended Current:

|                               |
|-------------------------------|
| Current                       |
| 2.2 Amps per conductor @ 25°C |

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color | Notes | Item Desc         |
|-----------------|----------|-------------|-------|-------|-------------------|
| 5502FE 008U1000 | 1,000 FT | 19.000 LB   | GRAY  |       | 4 #22 PP FS FRPVC |

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|                |          |           |      |   |                   |
|----------------|----------|-----------|------|---|-------------------|
| 5502FE 008U500 | 500 FT   | 9.500 LB  | GRAY |   | 4 #22 PP FS FRPVC |
| 5502FE 0081000 | 1,000 FT | 18.000 LB | GRAY | C | 4 #22 PP FS FRPVC |
| 5502FE 008500  | 500 FT   | 9.500 LB  | GRAY |   | 4 #22 PP FS FRPVC |

**Notes:**

C = CRATE REEL PUT-UP.

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