

## 5402FE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**Description:**

20 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            | 20  | 7x28      | 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 Cabling****Overall Cabling Lay Length & Direction:**

| Length (in.) | Twists (ft.) |
|--------------|--------------|
| 3            | 4            |

**Overall Cabling Color Code Chart:**

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

**Overall Nominal Diameter:**

0.159 in.

**Mechanical Characteristics (Overall)**

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

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 24 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 59.500 lbs.

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Min. Bend Radius (Install)/Minor Axis: 1.625 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 &amp; 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: 6402FE

## Surface Printing (Overall)

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

26.000

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

Capacitance (pF/ft)

46.750

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.2

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

11.3

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

3 Amps per conductor @ 25°C (10°C rise in temp)

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color | Notes | Item Desc         |
|-----------------|----------|-------------|-------|-------|-------------------|
| 5402FE 008U1000 | 1,000 FT | 23.000 LB   | GRAY  |       | 4 #20 PP FS FRPVC |

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|                |          |           |      |   |                   |
|----------------|----------|-----------|------|---|-------------------|
| 5402FE 008U500 | 500 FT   | 12.000 LB | GRAY |   | 4 #20 PP FS FRPVC |
| 5402FE 0081000 | 1,000 FT | 23.000 LB | GRAY | C | 4 #20 PP FS FRPVC |
| 5402FE 008500  | 500 FT   | 11.500 LB | GRAY |   | 4 #20 PP FS FRPVC |

**Notes:**

C = CRATE REEL PUT-UP.

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