

## 5342FE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**Description:**

18 AWG bare copper conductors, PVC insulation, conductors twisted into pairs, multiple pairs cabled together, overall Beldfoil® shield (foil side out) and drain wire, overall PVC jacket with rip cord. Sequential footage marking every two feet.

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

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 3       | 18  | 7x26      | BC - Bare Copper   |

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

| Insulation Material      | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | .010                 |

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

| Outer Shield Trade Name | Outer Shield Material        |
|-------------------------|------------------------------|
| Beldfoil®               | Aluminum Foil-Polyester Tape |

**Outer Shield Drain Wire AWG:**

| AWG | Drain Wire Conductor Material |
|-----|-------------------------------|
| 20  | TC - Tinned Copper            |

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

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .015                      |

**Overall Cable**

**Overall Nominal Diameter:** 0.275 in.

**Pair****Pair Color Code Chart:**

| Number | Color         |
|--------|---------------|
| 1      | Black & Red   |
| 2      | Black & White |
| 3      | Black & Green |

**Mechanical Characteristics (Overall)**

|                                               |                     |
|-----------------------------------------------|---------------------|
| <b>Operating Temperature Range:</b>           | -20°C To +75°C      |
| <b>Bulk Cable Weight:</b>                     | 51.200 lbs/1000 ft. |
| <b>Max. Recommended Pulling Tension:</b>      | 148.400 lbs.        |
| <b>Min. Bend Radius (Install)/Minor Axis:</b> | 2.900 in.           |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

**NEC/(UL) Specification:** CMR

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

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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: 6342FE

## Surface Printing (Overall)

## Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

38

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

68.4

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.55

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.9

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

3.5 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            |
|----------------|----------|-------------|-------|-------|----------------------|
| 5342FE 0081000 | 1,000 FT | 48.000 LB   | GRAY  | C     | 3 PR #18 PP FS FRPVC |

Notes:

C = CRATE REEL PUT-UP.

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