

## 6302FE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**Description:**

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

**Usage (Overall)****Suitable Applications:**

Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls

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

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 4            | 18  | 7x26      | BC - Bare Copper   |

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

| Insulation Trade Name | Insulation Material                   | Wall Thickness (mm) |
|-----------------------|---------------------------------------|---------------------|
| Flamarrest®           | LS PVC - Low Smoke Polyvinyl Chloride | 0.229               |

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

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

**Outer Shield Drain Wire AWG:**

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

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

| Outer Jacket Trade Name | Outer Jacket Material                 | Nom. Wall Thickness (mm) |
|-------------------------|---------------------------------------|--------------------------|
| Flamarrest®             | LS PVC - Low Smoke Polyvinyl Chloride | 0.381                    |

**Outer Jacket Ripcord:**

Yes

**Overall Cabling****Overall Cabling Color Code Chart:**

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | Red   |
| 3      | White |
| 4      | Green |

**Overall Nominal Diameter:**

4.775 mm

**Mechanical Characteristics (Overall)**

**Operating Temperature Range:** 0°C To +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 52.533 Kg/Km

**Max. Recommended Pulling Tension:** 364.752 N

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Min. Bend Radius (Install)/Minor Axis: 47.625 mm

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification: CMP

NEC Articles: 800

CEC/C(UL) Specification: CMP

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: NFPA 262

C(UL) Flame Test: FT6

## Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 5302FE

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

137.802

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

Capacitance (pF/m)

249.356

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

21.3265

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

47.246

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

4 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            |
|-----------------|--------|-------------|---------|-------|----------------------|
| 6302FE 877C250  | 76 MT  | 3.969 KG    | NATURAL |       | 4 #18 FLRST FS FLRST |
| 6302FE 877U1000 | 305 MT | 15.876 KG   | NATURAL |       | 4 #18 FLRST FS FLRST |
| 6302FE 877U500  | 152 MT | 8.165 KG    | NATURAL |       | 4 #18 FLRST FS FLRST |

## METRIC MEASUREMENT VERSION

## 6302FE Multi-Conductor - Commercial Applications

|                |        |           |         |   |                      |
|----------------|--------|-----------|---------|---|----------------------|
| 6302FE 8771000 | 305 MT | 15.876 KG | NATURAL | C | 4 #18 FLRST FS FLRST |
| 6302FE 877500  | 152 MT | 8.165 KG  | NATURAL |   | 4 #18 FLRST FS FLRST |

**Notes:**

C = CRATE REEL PUT-UP.

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