

## 6545UE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**Description:**

22 AWG bare copper conductors, Flamarrest® insulation, twisted into pairs, multiple pairs cabled together, Flamarrest® jacket with ripcord. Sequential footage marking every two feet.

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

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 6       | 22  | 7         | BC - Bare Copper   |

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

| Insulation Trade Name | Insulation Material                   | Wall Thickness (in.) |
|-----------------------|---------------------------------------|----------------------|
| Flamarrest®           | LS PVC - Low Smoke Polyvinyl Chloride | .009                 |

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

| Outer Shield Material |
|-----------------------|
| Unshielded            |

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

| Outer Jacket Trade Name | Outer Jacket Material                 | Nom. Wall Thickness (in.) |
|-------------------------|---------------------------------------|---------------------------|
| Flamarrest®             | LS PVC - Low Smoke Polyvinyl Chloride | .015                      |

**Outer Jacket Ripcord:** Yes

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

| Color          |
|----------------|
| Black & Red    |
| Black & White  |
| Black & Green  |
| Black & Blue   |
| Black & Yellow |
| Black & Brown  |

**Overall Nominal Diameter:** 0.264 in.

**Mechanical Characteristics (Overall)**

|                                               |                 |
|-----------------------------------------------|-----------------|
| <b>Operating Temperature Range:</b>           | 0°C To +75°C    |
| <b>Bulk Cable Weight:</b>                     | 43 lbs/1000 ft. |
| <b>Max. Recommended Pulling Tension:</b>      | 109.200 lbs.    |
| <b>Min. Bend Radius (Install)/Minor Axis:</b> | 2.500 in.       |

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

|                                 |     |
|---------------------------------|-----|
| <b>NEC/(UL) Specification:</b>  | CMP |
| <b>CEC/C(UL) Specification:</b> | CMP |

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|             |     |
|-------------|-----|
| 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: | NFPA 262 |
|----------------|----------|

|                 |     |
|-----------------|-----|
| CSA Flame Test: | FT6 |
|-----------------|-----|

**Plenum/Non-Plenum**

|               |     |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

|                    |        |
|--------------------|--------|
| Non-Plenum Number: | 5545UE |
|--------------------|--------|

**Electrical Characteristics (Overall)****Nom. Inductance:**

Inductance (µH/ft)

.17

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

25

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

16.3

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Max. Recommended Current:**

Current

2 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            |
|----------------|----------|-------------|---------|-------|----------------------|
| 6545UE 8771000 | 1,000 FT | 47.000 LB   | NATURAL | C     | 6 PR #22 FLRST FLRST |

**Notes:**

C = CRATE REEL PUT-UP.

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