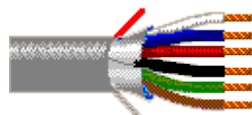


## 6504FE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**Description:**

22 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.

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

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 6            | 22  | 7         | 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 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:**

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

Overall Nominal Diameter: 4.445 mm

**Mechanical Characteristics (Overall)**

|                                        |              |
|----------------------------------------|--------------|
| Operating Temperature Range:           | 0°C To +75°C |
| Bulk Cable Weight:                     | 36.312 Kg/Km |
| Max. Recommended Pulling Tension:      | 267.337 N    |
| Min. Bend Radius (Install)/Minor Axis: | 45.720 mm    |

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

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

## 6504FE Multi-Conductor - Commercial Applications

|             |     |
|-------------|-----|
| 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: | 5504FE |
|--------------------|--------|

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

|                    |
|--------------------|
| Capacitance (pF/m) |
|--------------------|

|         |
|---------|
| 108.273 |
|---------|

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

|                    |
|--------------------|
| Capacitance (pF/m) |
|--------------------|

|         |
|---------|
| 193.579 |
|---------|

## Nom. Conductor DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
|---------------------|

|         |
|---------|
| 53.1522 |
|---------|

## Nominal Outer Shield DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
|---------------------|

|         |
|---------|
| 50.1993 |
|---------|

## Max. Operating Voltage - UL:

|         |
|---------|
| Voltage |
|---------|

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

## Max. Recommended Current:

|         |
|---------|
| Current |
|---------|

|                             |
|-----------------------------|
| 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            |
|-----------------|--------|-------------|---------|-------|----------------------|
| 6504FE 004U1000 | 305 MT | 11.793 KG   | YELLOW  |       | 6 #22 FLRST FS FLRST |
| 6504FE 0041000  | 305 MT | 11.793 KG   | YELLOW  |       | 6 #22 FLRST FS FLRST |
| 6504FE 0071000  | 305 MT | 11.793 KG   | VIOLET  |       | 6 #22 FLRST FS FLRST |
| 6504FE 877C500  | 152 MT | 4.082 KG    | NATURAL |       | 6 #22 FLRST FS FLRST |
| 6504FE 877U1000 | 305 MT | 11.793 KG   | NATURAL |       | 6 #22 FLRST FS FLRST |
| 6504FE 877U500  | 152 MT | 6.124 KG    | NATURAL |       | 6 #22 FLRST FS FLRST |
| 6504FE 8771000  | 305 MT | 11.793 KG   | NATURAL | C     | 6 #22 FLRST FS FLRST |
| 6504FE 877500   | 152 MT | 6.124 KG    | NATURAL | C     | 6 #22 FLRST FS FLRST |

## Notes:

C = CRATE REEL PUT-UP.

## 6504FE Multi-Conductor - Commercial Applications

Revision Number: 1    Revision Date: 04-14-2008

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