



For more Information
please call

1-800-Belden1



General Description:

Security & Alarm Cable, Plenum-CMP, 6-22 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Physical Characteristics (Overall)

Conductor

AWG:

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

Total Number of Conductors: 6

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material | Wall Thickness (in.) |
|-----------------------|---------------------------------------|----------------------|
| Flamarrest® | LS PVC - Low Smoke Polyvinyl Chloride | 0.009 |

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) | Tinned Copper |

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 |
| White |
| Green |
| Brown |
| Blue |

Overall Nominal Diameter: 0.175 in.

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|---------------------|
| Installation Temperature Range: | 0°C To +75°C |
| Operating Temperature Range: | -10°C To +75°C |
| Bulk Cable Weight: | 24.400 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 60.100 lbs. |
| Min. Bend Radius/Minor Axis: | 1.800 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|------------------------------------|-----|
| NEC/(UL) Specification: | CMP |
| CEC/(UL) Specification: | CMP |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark: | Yes |

6504FE Multi-Conductor - Commercial Applications

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

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 5504FE

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

33

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

59

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.2

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15.3

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Description

Current

10C Temperature Rise 2 Amps per conductor @ 25°C ambient

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|-----------------|----------|-------------|---------|-------|----------------------|
| 6504FE 004U1000 | 1,000 FT | 26.000 LB | YELLOW | | 6 #22 FLRST FS FLRST |
| 6504FE 004I000 | 1,000 FT | 26.000 LB | YELLOW | | 6 #22 FLRST FS FLRST |
| 6504FE 007I000 | 1,000 FT | 26.000 LB | VIOLET | | 6 #22 FLRST FS FLRST |
| 6504FE 877C500 | 500 FT | 12.000 LB | NATURAL | | 6 #22 FLRST FS FLRST |
| 6504FE 877U1000 | 1,000 FT | 26.000 LB | NATURAL | | 6 #22 FLRST FS FLRST |
| 6504FE 877U250 | 250 FT | 7.250 LB | NATURAL | | 6 #22 FLRST FS FLRST |
| 6504FE 877U500 | 500 FT | 13.500 LB | NATURAL | | 6 #22 FLRST FS FLRST |
| 6504FE 877I000 | 1,000 FT | 26.000 LB | NATURAL | C | 6 #22 FLRST FS FLRST |
| 6504FE 877500 | 500 FT | 13.500 LB | NATURAL | C | 6 #22 FLRST FS FLRST |

Notes:

C = CRATE REEL PUT-UP.

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product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.