



For more Information
please call

1-800-Belden1



General Description:

Security & Alarm Cable, Plenum-CMP, 3-22 AWG stranded bare copper pairs with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Usage (Overall)

Suitable Applications: Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 3 | 22 | 7x30 | 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) | TC - 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 Nominal Diameter: 0.216 in.

Pair

Pair Color Code Chart:

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

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|---------------------|
| Operating Temperature Range: | 0°C To +75°C |
| UL Temperature Rating: | 75°C |
| Bulk Cable Weight: | 26.100 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 60.100 lbs. |
| Min. Bend Radius/Minor Axis: | 2.250 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|--------------------------|-----|
| NEC/(UL) Specification: | CMP |
| NEC Articles: | 800 |
| CEC/C(UL) Specification: | CMP |

6542FE Multi-Conductor - Commercial Applications

EU Directive 2011/65/EU (ROHS II): Yes

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

C(UL) Flame Test: FT6

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 5542FE

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)

.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

33

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

59.4

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.3

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

13.9

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

2 Amps per conductor @ 25°C (10°C rise in temp)

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|-----------------|----------|-------------|---------|-------|-------------------------|
| 6542FE 877U1000 | 1,000 FT | 28.000 LB | NATURAL | | 3 PR #22 FLRST FS FLRST |
| 6542FE 877I1000 | 1,000 FT | 29.000 LB | NATURAL | | 3 PR #22 FLRST FS FLRST |

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Электрон
Связь**

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Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

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