

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

6502GE Multi-Conductor - Commercial Applications



For more Information
please call

1-800-Belden1



General Description:

Security & Alarm Cable, Plenum-CMP, 1-22 AWG stranded bare copper pair with Flamarrest® insulation and Beldfoil® shield, 2-22 AWG stranded bare copper conductors with insulation, Overall Flamarrest® jacket with ripcord

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | # Pairs | AWG | Stranding | Conductor Material |
|--------------|---------|-----|-----------|--------------------|
| 2 | 1 | 22 | 7 | BC - Bare Copper |

Total Number of Conductors: 4

Insulation

Insulation Material:

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

Inner Shield

Inner Shield Material:

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100.000 |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 24 |

Inner Shield Drain Wire Stranding: 7

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

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 and Red (shielded pair) |
| White |
| Green |

Overall Nominal Diameter: 0.180 in.

Pair

Pair Lay Length & Direction:

| Lay Length (in.) | Twists (twist/ft) |
|------------------|-------------------|
| 1.500 | 8.000 |

Mechanical Characteristics (Overall)

Bulk Cable Weight: 19.300 lbs/1000 ft.

Max. Recommended Pulling Tension: 42 lbs.

Min. Bend Radius/Minor Axis: 1.800 in.

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CMP |
| CEC/C(UL) Specification: | CMP |
| 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: | 5502GE |

Electrical Characteristics (Overall)

Nom. Inductance:

| |
|--------------------------|
| Inductance (μ H/ft) |
| .17 |

Nom. Capacitance Conductor to Conductor:

| |
|---------------------|
| Capacitance (pF/ft) |
| 55 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|---------------------|
| Capacitance (pF/ft) |
| 99 |

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 16.4 |

Max. Operating Voltage - UL:

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

Max. Recommended Current:

| |
|-------------------------------|
| Current |
| 2.2 Amps per conductor @ 25°C |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|-----------------|----------|-------------|---------|-------|--------------------------------|
| 6502GE 008U1000 | 1,000 FT | 21.000 LB | GRAY | | 1 FSPR + 2 CDR #22 FLRST FLRST |
| 6502GE 009C100 | 100 FT | 1.900 LB | WHITE | | 1 FSPR + 2 CDR #22 FLRST FLRST |
| 6502GE 009U1000 | 1,000 FT | 21.000 LB | WHITE | | 1 FSPR + 2 CDR #22 FLRST FLRST |
| 6502GE 009U250 | 250 FT | 6.000 LB | WHITE | | 1 FSPR + 2 CDR #22 FLRST FLRST |
| 6502GE 010C100 | 100 FT | 1.700 LB | BLACK | | 1 FSPR + 2 CDR #22 FLRST FLRST |
| 6502GE 010U1000 | 1,000 FT | 21.000 LB | BLACK | | 1 FSPR + 2 CDR #22 FLRST FLRST |
| 6502GE 010U250 | 250 FT | 6.000 LB | BLACK | | 1 FSPR + 2 CDR #22 FLRST FLRST |
| 6502GE 010U1000 | 1,000 FT | 21.000 LB | NATURAL | | 1 FSPR+2CDR#22 FLRSTFLRST |
| 6502GE 877U1000 | 1,000 FT | 21.000 LB | NATURAL | C | 1 FSPR+2CDR#22 FLRSTFLRST |

Notes:

C = CRATE REEL PUT-UP.

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