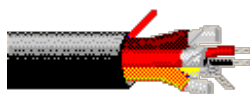


1220B Multi-Conductor - Flexible, Low-Capacitance Cable



For more Information
please call

1-800-Belden1



Description:

22 AWG stranded (7x30) TC conductor, Datalene® insulation, individually shielded with Beldfoil® (100% coverage), numbered/color-coded PVC jackets, pair jackets and shields bonded so both strip simultaneously with automatic stripping equipment.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 12 | 22 | 7x30 | TC - Tinned Copper | .030 |

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material | Wall Thickness (in.) | Dia. (in.) |
|-----------------------|--|----------------------|------------|
| Datalene® | FHDPE - Foam High Density Polyethylene | .015 | .060 |

Inner Shield

Inner Shield Material:

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 22 |

Inner Shield Drain Wire Stranding: 7x30

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Inner Jacket

Inner Jacket Material:

| Inner Jacket Material | Nom Wall (in.) | Nom. Dia. (in.) |
|--------------------------|----------------|-----------------|
| PVC - Polyvinyl Chloride | .015 | .153 |

Inner Jacket Color Code Chart:

| Number | Color |
|--------|--------|
| 1 | Brown |
| 2 | Red |
| 3 | Yellow |
| 4 | Orange |
| 5 | Green |
| 6 | Blue |
| 7 | Purple |
| 8 | Gray |
| 9 | White |
| 10 | Black |
| 11 | Tan |
| 12 | Pink |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .074 |

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Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.760 in.

Pair

Pair Color Code Chart:

| Color |
|-------------|
| Red & Black |

Pair Lay Length & Direction:

| Lay Length (in.) | Twists/ft. (twist/ft) |
|------------------|-----------------------|
| 1.750 | 6.850 |

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 271 lbs/1000 ft.

Max. Recommended Pulling Tension: 328 lbs.

Min. Bend Radius (Install)/Minor Axis: 7.600 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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): 01/01/2004

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

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Inductance:

| Inductance (µH/ft) |
|--------------------|
| .20 |

Nom. Capacitance Conductor to Conductor:

| Capacitance (pF/ft) |
|---------------------|
| 19 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| Capacitance (pF/ft) |
|---------------------|
| 35 |

Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 78 |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 15 |

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 10.600 Ohm/1000 ft

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Max. Operating Voltage - Non-UL:

| Voltage |
|-----------|
| 150 V RMS |
| 300 V RMS |

Max. Recommended Current:

| Current |
|-------------------------------|
| 1.5 Amps per conductor @ 20°C |

Notes (Overall)

Notes: Datalene® insulation features include a low dielectric constant and a low dissipation factor for high-speed, low distortion data handling. Physical properties include good crush resistance and light weight. Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------------|-------|----------------------------|
| 1220B B591000 | 1,000 FT | 296.000 LB | BLACK, MATTE | C | 12 PR #22 FHDPE FS PVC PVC |
| 1220B B59500 | 500 FT | 143.000 LB | BLACK, MATTE | C | 12 PR #22 FHDPE FS PVC PVC |

Notes:
C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-18-2008

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