

## 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

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

### 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.

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