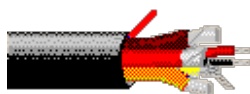


## 1222B Multi-Conductor - Flexible, Low-Capacitance Cable



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.)
16	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	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Gray
9	White
10	Black
11	Tan
12	Pink
13	Lt Gray/Brown
14	Lt Gray/Red
15	Lt Gray/Orange
16	Lt Gray/Yellow

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## Outer Jacket

## Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.080

Outer Jacket Ripcord: Yes

## Overall Cable

Overall Nominal Diameter: 0.852 in.

## Pair

## Pair Color Code Chart:

Color
Red & Black

## Pair Lay Length &amp; 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:	357 lbs/1000 ft.
Max. Recommended Pulling Tension:	437 lbs.
Min. Bend Radius (Install)/Minor Axis:	8.520 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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 &amp; Shield:

Capacitance (pF/ft)
35

## Nominal Velocity of Propagation:

VP (%)
78

## Nom. Conductor DC Resistance:

## 1222B Multi-Conductor - Flexible, Low-Capacitance Cable

## DCR @ 20°C (Ohm/1000 ft)

15

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

## 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
1222B B591000	1,000 FT	397.000 LB	BLACK, MATTE	C	16 PR #22 FHDPE FS PVC PVC
1222B B59500	500 FT	194.500 LB	BLACK, MATTE	C	16 PR #22 FHDPE FS PVC PVC

## Notes:

C = CRATE REEL PUT-UP.

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