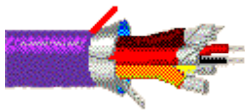


For more Information  
please call

1-800-Belden1



### General Description:

24 AWG stranded (7x32) TC conductor, Datalene® insulation, pairs individually shielded with bonded Beldfoil® with a drain wire and have numbered and color-coded PVC jackets, overall Beldfoil® shield/drain wire + overall PVC jacket w/nylon rip cord.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
2	24	7x32	TC - Tinned Copper	0.610

Total Number of Conductors: 4

#### Insulation

##### Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Datalene®	FHDPE - Foam High Density Polyethylene	1.7272

#### Inner Shield

##### Inner Shield Material:

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

##### Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### Inner Jacket

##### Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	4.2418

##### Inner Jacket Color Code Chart:

Number	Color
1	Brown and Numbered 1
2	Red and Numbered 2

#### 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
16	Stranded	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

## Overall Cable

Overall Nominal Diameter: 10.389 mm

## Pair

### Pair Color Code Chart:

Number	Color
1	Red & Black
2	Red & Black

## Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +60°C

UL Temperature Rating: 60°C

Bulk Cable Weight: 102.686 Kg/Km

Max. Recommended Pulling Tension: 324.719 N

Min. Bend Radius/Minor Axis: 107.950 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

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 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

Other Specification: AES/EBU

### Flame Test

UL Flame Test: UL1685 FT4 Loading

C(UL) Flame Test: FT4

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

110

### Nom. Inductance:

Inductance (µH/m)

0.59058

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

39.372

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

85.306

**Nominal Velocity of Propagation:**

VP (%)
76

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
77.7597

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
.384	2.26389
.7056	3.05133
.768	3.14976
1.024	3.51067
1.4112	3.90439
1.536	3.97001
2.048	4.29811
2.8224	4.62621
3.0720	4.75745
4.096	5.15117
5.6448	5.77456
6.144	6.00423
8.192	6.59481
11.2896	7.34944
12.288	7.5463
24.576	10.1055

**Max. Operating Voltage - UL:**

Voltage
300 V RMS

**Max. Recommended Current:**

Current
2.75 Amps per conductor @ 25°C

### Notes (Overall)

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

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1802F Z4B1000	1,000 FT	80.000 LB	VIO Z4B		2 #24 PR FHDPE FS PVC FS
1802F Z4B500	500 FT	39.500 LB	VIO Z4B		2 #24 PR FHDPE FS PVC FS

Revision Number: 0    Revision Date: 11-13-2013

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METRIC MEASUREMENT VERSION

## 1802F Multi-Conductor - Multi-Pair Snake Cable

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).