

1802B Multi-Conductor - Double-Pair Cable



For more Information
please call

1-800-Belden1



Description:

24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, dual twisted pairs, overall Beldfoil® shield (100% coverage), 24 AWG drain wire, PVC jacket in Zip-Cord construction.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
2	24	7x32	TC - Tinned Copper	0.6096

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material
Datalene®	FHDPE - Foam High Density Polyethylene

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: 7x32

Inner Shield Drain Wire Diameter: .024

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 4.572 x 4.572 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: 46.581 Kg/Km

Max. Recommended Pulling Tension: 146.791 N

Min. Bend Radius (Install)/Minor Axis: 50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
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
Other Specification:	AES/EBU

Flame Test

C(UL) Flame Test:	FT4
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Plenum/Non-Plenum

Plenum (Y/N):	No
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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
3.072	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: For cross-connect use with 1803F (et al.) Digital Audio Snake Cables. The jacket and shield are bonded so both can be removed on automatic stripping equipment.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1802B Z4BU1000	305 MT	15.876 KG	VIO Z4B		2 #24 FHDPE PR FS PVC PARA
1802B Z4B1000	305 MT	16.783 KG	VIO Z4B	C	2 #24 FHDPE PR FS PVC PARA
1802B Z4B500	152 MT	7.484 KG	VIO Z4B	C	2 #24 FHDPE PR FS PVC PARA

Notes:
C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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