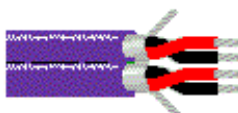


1802B Paired - Double-Pair Cable



For more information please
call

1-800-Belden1

See Put-ups and Colors

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:

CONDUCTOR:

Number of Pairs	2
Total Number of Conductors	4
AWG	24
Stranding	7x32
Conductor Diameter	.024 in.
Conductor Material	TC - Tinned Copper

INSULATION:

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

Pair Color Code Chart :

Number	Color	Number	Color
1	Red & Black	2	Red & Black

INNER SHIELD:

Inner Shield Material Trade Name	Beldfoil®
Inner Shield Type	Tape
Inner Shield Material	Bonded Aluminum Foil-Polyester Tape
Inner Shield % Coverage	100 %
Inner Shield Drain Wire AWG	24
Inner Shield Drain Wire Stranding	7x32
Inner Shield Drain Wire Diameter	.024 in.
Inner Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.180 x .360 in.
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1802B Paired - Double-Pair Cable

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +60°C
UL Temperature Rating	60°C
Bulk Cable Weight	31.3 lbs/1000 ft.
Max. Recommended Pulling Tension	33 lbs.
Min. Bend Radius (Install)	2 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMG
CEC/C(UL) Specification	CMG
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
Other Specification	AES/EBU

FLAME TEST:

C(UL) Flame Test	FT4
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	110 Ohms
Nom. Inductance	.18 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	12 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	26 pF/ft
Nominal Velocity of Propagation	76 %
Nom. Conductor DC Resistance @ 20 Deg. C	23.7 Ohms/1000 ft
Nom. Attenuation (dB/100 ft) :	

1802B Paired - Double-Pair Cable

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	.384			.69
	.7056			.93
	.768			.96
	1.024			1.07
	1.4112			1.19
	1.536			1.21
	2.048			1.31
	2.8224			1.41
	3.072			1.45
	4.096			1.57
	5.6448			1.76
	6.144			1.83
	8.192			2.01
	11.2896			2.24
	12.288			2.30
	24.576			3.08

Max. Operating Voltage - UL 300 V RMS

Max. Recommended Current 2.75 Amps per conductor @ 25°C

NOTES:

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	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1802B Z4B1000	2 #24 FHDPE PR FS PVC PARA	1000	37	VIO Z4B	C
1802B Z4B500	2 #24 FHDPE PR FS PVC PARA	500	16.5	VIO Z4B	C
1802B Z4BU1000	2 #24 FHDPE PR FS PVC PARA	U1000	35	VIO Z4B	

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 08-16-2005

1802B Paired - Double-Pair Cable

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