

9180 Multi-Conductor - Single-Pair Cable

For more Information
please call

1-800-Belden1

**General Description:**

110 Ohm, 26 AWG stranded (7x34) .018" TC conductors, Datalene® insulation, twisted pair, Beldfoil® shield (100% coverage), 26 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)**Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	26	7x34	TC - Tinned Copper	.019

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Datalene®	FHDPE - Foam High Density Polyethylene	.049

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
26	7x34	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.144 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & White

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	10 lbs/1000 ft.
Max. Recommended Pulling Tension:	10.500 lbs.
Min. Bend Radius/Minor Axis:	1.500 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMR
CEC/(UL) Specification:	CMG
EU Directive 2011/65/EU (RoHS II):	Yes
EU CE Mark:	No
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

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EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes
Other Specification:	AES/EBU

Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
110

Nom. Inductance:

Inductance (µH/ft)
.23

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
13.0

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
26

Nominal Velocity of Propagation:

VP (%)
76

Nominal Delay:

Delay (ns/ft)
1.34

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
37.3

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
23.1

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
.38	0.84
.77	1.18
1.0	1.34
1.5	1.54
2.0	1.69
3.1	1.92
4.1	2.14
5.6	2.40
8.2	2.75
11.3	3.09
12.3	3.18
24.6	4.20

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
1.9 Amps per conductor @ 25°C

Notes (Overall)

Notes: For cross-connect use with 7891A (et al.) Digital Audio Snake Cables.

Put Ups and Colors:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
9180 Z4B1000	1,000 FT	12.000 LB	VIO Z4B		2 #26 FHDPE FS FRPVC
9180 0601000	1,000 FT	12.000 LB	CHROME	C	2 #26 FHDPE FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

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