

## 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

9180 Multi-Conductor - Single-Pair Cable

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
---------------	----

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:

## 9180 Multi-Conductor - Single-Pair Cable

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.

Revision Number: 1    Revision Date: 10-15-2012

© 2014 Belden, Inc.  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[9180 0601000](#) [9180 Z4B1000](#)