

9180 Multi-Conductor - Single-Pair Cable

For more Information
please call

1-800-Belden1

**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. (mm)
1	26	7x34	TC - Tinned Copper	0.4826

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (mm)
Datalene®	FHDPE - Foam High Density Polyethylene	1.2446

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 Cabling

Overall Nominal Diameter: 3.658 mm

Pair**Pair Color Code Chart:**

Number	Color
1	Black & White

Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
38.09985	26.248

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	14.882 Kg/Km
Max. Recommended Pulling Tension:	46.706 N
Min. Bend Radius (Install)/Minor Axis:	50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
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
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
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/m)
0.75463

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
42.653

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
85.306

Nominal Velocity of Propagation:

VP (%)
76

Nominal Delay:

Delay (ns/m)
4.39654

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
122.381

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
75.7911

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
.38	2.75604
.77	3.87158

METRIC MEASUREMENT VERSION

9180 Multi-Conductor - Single-Pair Cable

1.0	4.39654
1.5	5.05274
2.0	5.54489
3.1	6.29952
4.1	7.02134
5.6	7.8744
8.2	9.02275
11.3	10.1383
12.3	10.4336
24.6	13.7802

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.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9180 Z4B1000	305 MT	4.536 KG	VIO Z4B		2 #26 FHDPE FS FRPVC
9180 0601000	305 MT	4.536 KG	CHROME	C	2 #26 FHDPE FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

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