



**Part Number:** 9180

Audio Cable, #26-1pr, TC, O/A Foil, CM

## Product 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.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
26	7x34	TC - Tinned Copper	0.019 in	1
<b>Total Number of Conductors:</b>			2	

#### Insulation:

Material	Material Trade Name	Nominal Diameter
FHDPE - Foam High Density Polyethylene	Datalene®	0.049 in

#### Color Chart 1:

Number	Color
1	Black & White

#### Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	Beldfoil®	100 %	TC - Tinned Copper	26	7x34 mm

#### Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.144 in

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
37.3 Ohm/1000ft	23.1 Ohm/1000ft

### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
13 pF/ft	26 pF/ft

### Impedance:

Nominal Characteristic Impedance
110 Ohm

### High Frequency (Nominal/Typical):

Nom. Insertion Loss
0.84 db/100ft
1.18 db/100ft
1.34 db/100ft
1.54 db/100ft
1.69 db/100ft
1.92 db/100ft
2.14 db/100ft
2.4 db/100ft
2.75 db/100ft
3.09 db/100ft
3.18 db/100ft
4.2 db/100ft

### Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.34 ns/ft	76 %

### High Freq:

Frequency [MHz]
0.38 MHz
0.77 MHz
1 MHz
1.5 MHz
2 MHz
3.1 MHz
4.1 MHz
5.6 MHz
8.2 MHz
11.3 MHz
12.3 MHz
24.6 MHz

### Current:

Max. Recommended Current [A]
1.9 Amps per conductor @ 25°C

### Inductance:

Nominal Inductance
0.23 $\mu$ H/ft

### Voltage:

UL Voltage Rating
300V RMS

### Use

Max Recommended Pulling Tension:	10.5 lbs
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### Safety

CSA Flammability:	FT4
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UL Flammability:	UL1685 FT4 Loading
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### Temperature Range

Non-UL Temp Rating:	75°C
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Operating Temp Range:	-40°C To +75°C
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### Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.5 in
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## Part Number

Plenum (Y/N):	No
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## Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMG
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMR
Other Specification:	AES/EBU
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No

## History

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

Part Number	Color	Put-Up Type	Length
9180 0601000	CHROME	Reel	1000 ft
9180 Z4B1000	VIOLET Z4B	Reel	1000 ft

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