Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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. (in.)
1	26	7x34	TC - Tinned Copper	.019

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Туре	Outer Shield Material	Coverage (%)
Beldfoil®	Таре	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:



Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
1.500	8.000

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 (Install)/Minor Axis:	2 in.	

Page 1 of 3 01-06-2012

Detailed Specifications & Technical Data





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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				

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



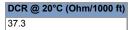
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



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

Page 2 of 3 01-06-2012

Detailed Specifications & Technical Data

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9180 Multi-Conductor - Single-Pair Cable

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.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

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	С	2 #26 FHDPE FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-21-2009

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Page 3 of 3 01-06-2012