

## 7880A Multi-Conductor - Multi-Pair Snake Cable



For more Information  
please call

1-800-Belden1



### General Description:

26 AWG stranded tinned copper conductor, Datalene® insulation, pairs individually shielded with bonded Beldfoil® with a drain wire and have numbered and color-coded PVC jackets, overall Beldfoil® shield/drain wire + overall PVC jacket with nylon rip cord

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
8	26	7x34	TC - Tinned Copper	.019

Total Number of Conductors: 16

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Datalene®	FHDPE - Foam High Density Polyethylene	.054

#### Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Bonded Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG
26

Inner Shield Drain Wire Stranding: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.136

Inner Jacket Color Code Chart:

Number	Color
1	Brown and Numbered 1
2	Red and Numbered 2
3	Orange and Numbered 3
4	Yellow and Numbered 4
5	Green and Numbered 5
6	Blue and Numbered 6
7	Purple and Numbered 7
8	Gray and Numbered 8

#### Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
26	Stranded	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

### Overall Cable

## 7880A Multi-Conductor - Multi-Pair Snake Cable

Overall Nominal Diameter:

0.541 in.

## Pair

Pair Color Code Chart:

Number	Color
1	Red & Black
2	Red & Black
3	Red & Black
4	Red & Black
5	Red & Black
6	Red & Black
7	Red & Black
8	Red & Black

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C
Bulk Cable Weight:	100 lbs/1000 ft.
Max. Recommended Pulling Tension:	84 lbs.
Min. Bend Radius/Minor Axis:	5.500 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
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
MIL Order #39 (China RoHS):	Yes

## Flame Test

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

## Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

## Surface Printing (Overall)

## Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
110

Nom. Inductance:

Inductance (µH/ft)
.25

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
13

Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/ft)
25.0

Nominal Velocity of Propagation:

VP (%)
76

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
37.3

## 7880A Multi-Conductor - Multi-Pair Snake Cable

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 25.500 Ohm/1000 ft

## Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
.384	.84
.7056	1.14
.768	1.18
1.024	1.34
1.4112	1.50
1.536	1.54
2.048	1.69
2.8224	1.86
3.0720	1.92
4.096	2.14
5.6448	2.40
6.144	2.47
8.192	2.75
11.2896	3.09
12.288	3.18
24.576	4.20

## Notes (Overall)

**Notes:** Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7880A Z4B1000	1,000 FT	142.000 LB	VIO Z4B	C	8 #26 FHDPE FS PR PVC PVC
7880A Z4B250	250 FT	28.000 LB	VIO Z4B	C	8 #26 FHDPE FS PR PVC PVC
7880A Z4B500	500 FT	57.000 LB	VIO Z4B	C	8 #26 FHDPE FS PR PVC PVC

## Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 08-24-2012

© 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9