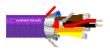
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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
- mar 1 - mar 1

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Detailed Specifications & Technical Data



Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft)

37.3



7880A Multi-Conductor - Multi-Pair Snake Cable

Overall Nominal Diameter: 0.541 in. Pair Pair Color Code Chart: 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. 5.500 in. Min. Bend Radius/Minor Axis: **Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs** NEC/(UL) Specification: CM CEC/C(UL) Specification: СМ EU Directive 2011/65/EU (ROHS II): Yes EU CE Mark: Yes EU Directive 2000/53/EC (ELV): 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 Flame Test **UL Flame Test:** UL1685 UL Loading FT4 **CSA Flame Test:** Plenum/Non-Plenum Plenum (Y/N): No **Surface Printing (Overall) Electrical Characteristics (Overall)** Nom. Characteristic Impedance: Impedance (Ohm) 110 Nom. Inductance: Inductance (µH/ft) Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) Nom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pF/ft) 25.0 Nominal Velocity of Propagation: VP (%)

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Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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	С	8 #26 FHDPE FS PR PVC PVC
7880A Z4B250	250 FT	28.000 LB	VIO Z4B	С	8 #26 FHDPE FS PR PVC PVC
7880A Z4B500	500 FT	57.000 LB	VIO Z4B	С	8 #26 FHDPE FS PR PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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

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

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ПОСТАВКА ЭЛЕКТРОННЫХ КОМПОНЕНТОВ

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001 Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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http://moschip.ru/get-element

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