Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



7891A Multi-Conductor - Multi-Pair Snake Cable



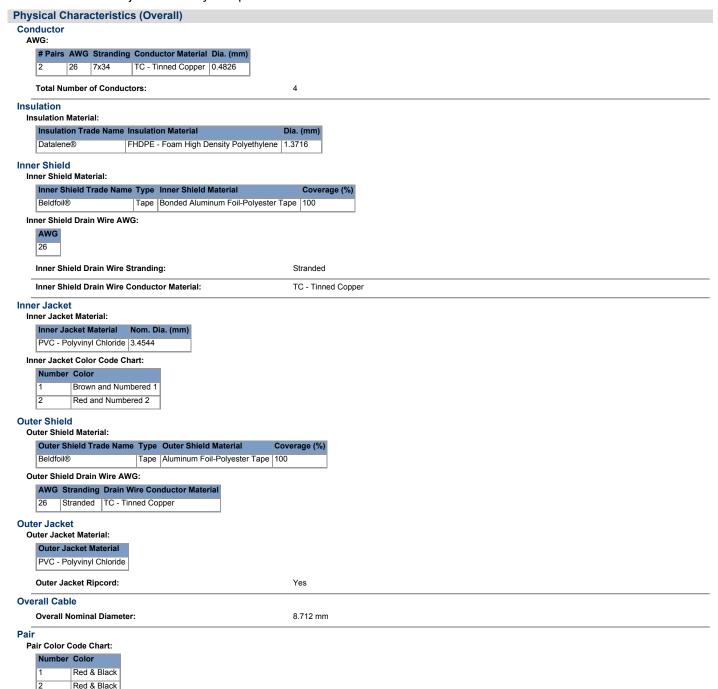
For more Information please call

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 ripcord.



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Me	Mechanical Characteristics (Overall)						
	Operating Temperature Range:	-30°C To +80°C					
	Bulk Cable Weight:	72.922 Kg/Km					
	Max. Recommended Pulling Tension:	106.757 N					
	Min. Bend Radius/Minor Axis:	88.900 mm					
Apı	Applicable Specifications and Agency Compliance (Overall)						
Аp	Applicable Standards & 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					

Flame Test

IV

 UL Flame Test:
 UL1685 UL Loading

 CSA Flame Test:
 FT4

Yes

Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Surface Printing (Overall)

Electrical Characteristics (Overall)

EU Directive 2002/96/EC (WEEE): EU Directive 2003/11/EC (BFR):

CA Prop 65 (CJ for Wire & Cable):

MII Order #39 (China RoHS):

Nom. Characteristic Impedance:

Impedance (Ohm)
110

Nom. Inductance:

Inductance (µH/m) 0.82025

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 41.0125

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 82.025

Nominal Velocity of Propagation:

VP (%) 76

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 122.381

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 83.666 Ohm/km

Nom. Attenuation:

om. Attenuation:						
Freq. (MHz)	Attenuation (dB/100m)					
.384	2.75604					
.7056	3.74034					
.768	3.87158					
1.024	4.39654					
1.4112	4.9215					
1.536	5.05274					
2.048	5.54489					
2.8224	6.10266					
3.0720	6.29952					

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4.096	7.02134
5.6448	7.8744
6.144	8.10407
8.192	9.02275
11.2896	10.1383
12.288	10.4336
24.576	13.7802

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
7891A Z4B1000	1,000 FT	56.000 LB	VIO Z4B	С	2 #26 FHDPE FSPR PVC FS PVC
7891A Z4B500	500 FT	28.000 LB	VIO Z4B	С	2 #26 FHDPE FSPR PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 09-25-2012

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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.

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