Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



7891A Multi-Conductor - Multi-Pair Snake Cable



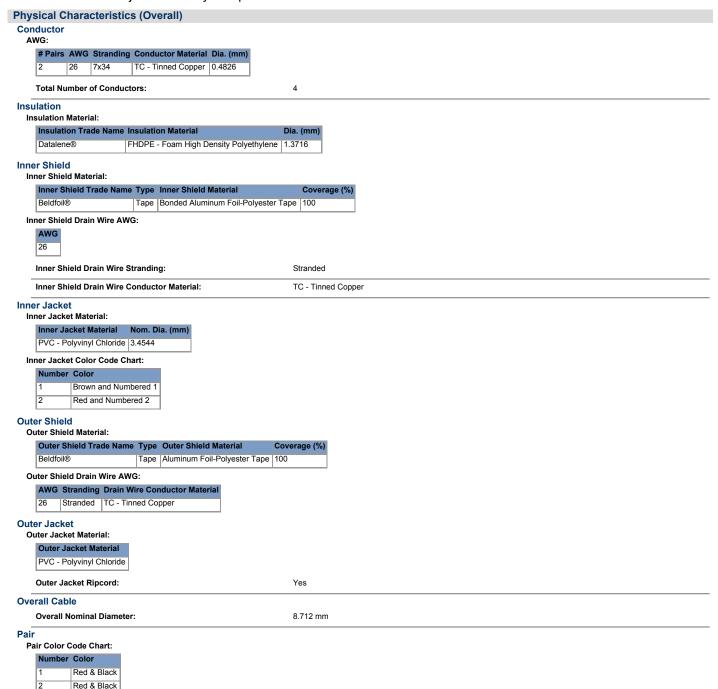
For more Information please call

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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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				
Applicable Specifications and Agency Comp	pliance (Overall)				
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				
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				
CSA Flame Test:	FT4				
Plenum/Non-Plenum					
Plenum (Y/N):	No				
Surface Printing (Overall)					
Surface Printing:	SHIELDED (UL) CMG C(UL)				

Electrical Characteristics (Overall)

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:

/					
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				

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2.8224	6.10266
3.0720	6.29952
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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