Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



7890A Multi-Conductor - Multi-Pair Cable



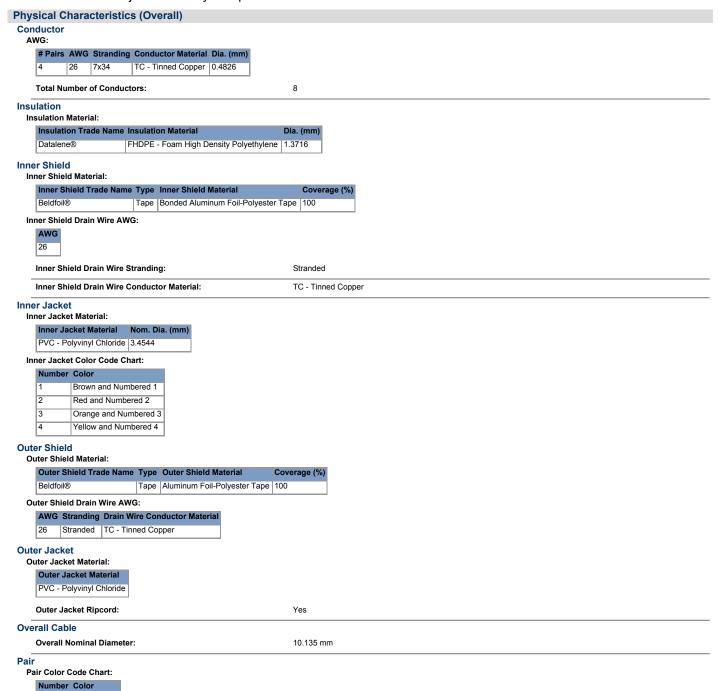
For more Information please call

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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1	Red & Black
2	Red & Black
3	Red & Black
4	Red & Black

Operating Temperature Range:	-30°C To +80°C
Bulk Cable Weight:	77.386 Kg/Km
Max. Recommended Pulling Tension:	200.169 N
Min. Bend Radius/Minor Axis:	101.600 mm
pplicable Specifications and Agency Compl	iance (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
lame Test	
UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT4
Plenum/Non-Plenum	
Plenum (Y/N):	No

...SHIELDED (UL) CMG C(UL)

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

Surface Printing:

Nom. Inductance:

Inductance (µH/m) 0.82025

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 42.653

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 82.025

Nominal Velocity of Propagation:

VP (%)

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

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1.024	4.39654		
1.4112	4.9215		
1.536	5.05274		
2.048	5.54489		
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
7890A Z4B1000	1,000 FT	61.000 LB	VIO Z4B	С	4 #26 FHDPE FS PR PVC FS PVC
7890A Z4B500	500 FT	31.000 LB	VIO Z4B	С	4 #26 FHDPE FS PR PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 10-17-2012

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product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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