Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



1803F Multi-Conductor - Multi-Pair Snake Cable



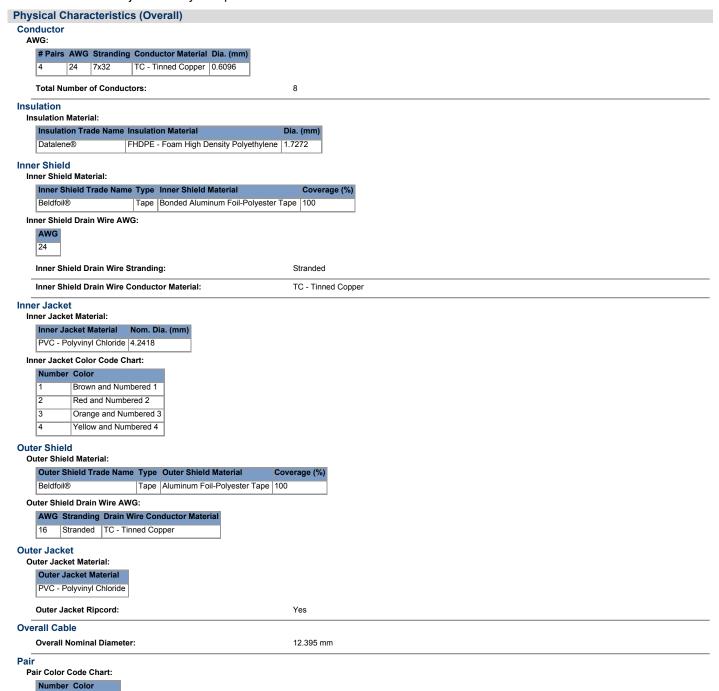
For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) TC 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 w/nylon rip cord.



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

chanical Characteristics (Overall)	
Operating Temperature Range:	-30°C To +60°C
UL Temperature Rating:	60°C
Bulk Cable Weight:	148.820 Kg/Km
Max. Recommended Pulling Tension:	366.976 N
Min. Bend Radius/Minor Axis:	127 mm
plicable Specifications and Agency Compli	iance (Overall)
oplicable Standards & Environmental Programs	
NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
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
Other Specification:	AES/EBU
ame Test	
UL Flame Test:	UL1685 FT4 Loading
C(UL) Flame Test:	FT4

No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Plenum/Non-Plenum
Plenum (Y/N):

Nom. Inductance:

Inductance (µH/m) 0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 39.372

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 85.306

Nominal Velocity of Propagation:

VP (%) 76

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 77.7597

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
0.384	0.951
0.706	2.330
0.768	2.526
1.024	3.084
1.411	3.609

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1.536	3.609
2.048	4.265
2.822	4.593
3.072	4.593
4.096	4.922
5.645	5.578
6.144	5.906
8.192	6.562
11.290	7.218
12.288	7.546
24.576	10.171

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

2.75 Amps per conductor @ 25°C

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
1803F B591000	1,000 FT	111.000 LB	BLACK, MATTE		4 #24 FHDPE FS PR PVC FS PVC
1803F Z4B1000	1,000 FT	111.000 LB	VIO Z4B	С	4 #24 FHDPE FS PR PVC FS PVC
1803F Z4B500	500 FT	57.500 LB	VIO Z4B	С	4 #24 FHDPE FS PR PVC FS PVC

Notes: C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 03-17-2014

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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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