

1800F Paired - Single-Pair Cable

  	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

24 AWG stranded (42x40) HC BC conductors, Datalene® insulation, conductors cabled with fillers, TC "French Braid" Shield (95% coverage), BC drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	24
Stranding	42x40
Conductor Diameter	.024 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material Trade Name	Datalene®
Insulation Material	FHDPE - Foam High Density Polyethylene
Insulation Diameter	.058 in.

Pair Color Code Chart :

Number	Color
1	Red & Black

OUTER SHIELD:

Outer Shield Type	French Braid
Outer Shield Material	TC - Tinned Copper
Outer Shield % Coverage	95 %

OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	26
Outer Shield Drain Wire Stranding	Stranded
Outer Shield Drain Wire Conductor Material	BC - Bare Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.211 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +60°C
Non-UL Temperature Rating	60°C
Bulk Cable Weight	24 lbs/1000 ft.
Max. Recommended Pulling Tension	41.5 lbs.
Min. Bend Radius (Install)	2.25 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CL2R
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
Other Specification	AES/EBU Digital Audio

FLAME TEST:

UL Flame Test	UL1666 Riser
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	110 Ohms
Nom. Inductance	0.18 μ H/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	12 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	26 pF/ft
Nominal Velocity of Propagation	76 %
Nom. Conductor DC Resistance @ 20 Deg. C	23.7 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	6.42 Ohms/1000 ft
Nom. Attenuation (dB/100 ft) :	

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	.384			0.46
	.706			0.67
	.768			0.70
	1.024			0.83
	1.411			1.04
	1.536			1.09
	2.048			1.30
	2.822			1.66
	3.072			1.75
	4.096			2.23
	5.645			2.89
	6.144			3.07
	8.192			3.71
	11.290			4.53
	12.288			4.78
	24.576			7.11

Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	2.75 Amps per conductor @ 25°C

NOTES:

Notes	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.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1800F B591000	#24 PR FHDPE BRD PVC	1000	24	BLACK, MATTE	C
1800F B59500	#24 PR FHDPE BRD PVC	500	12	BLACK, MATTE	C
1800F B59U1000	#24 PR FHDPE BRD PVC	U1000	26	BLACK, MATTE	
1800F G7VU1000	#24 PR FHDPE BRD PVC	U1000	26	RED, MATTE	
1800F G7WU1000	#24 PR FHDPE BRD PVC	U1000	26	GREEN, MATTE	
1800F G7XU1000	#24 PR FHDPE BRD PVC	U1000	26	BLUE, MATTE	
1800F G8MU1000	#24 PR FHDPE BRD PVC	U1000	26	YELLOW, MATTE	
1800F U90U1000	#24 PR FHDPE BRD PVC	U1000	26	GRAY, MATTE	

C = CRATE REEL PUT-UP.

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