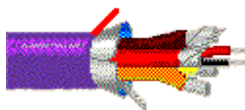


1854F Multi-Conductor - Multi-Pair Snake Cable



**Obsolete
Call
1-800-BELDEN1**

For more Information
please call

1-800-Belden1

**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.

Physical Characteristics (Overall)**Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
32	24	7x32	TC - Tinned Copper	.024

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (in.)
Datalene®	FHDPE - Foam High Density Polyethylene	.068

Inner Shield**Inner Shield Material:**

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Bonded Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
24	Stranded	TC - Tinned Copper

Inner Jacket**Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.167

Inner Jacket Color Code Chart:

Number	Color
1	Brown and Numbered 1
2	Red and Numbered 2
3	Orange and Numbered 3
4	Yellow and Numbered 4
5	Green and Numbered 5
6	Blue and Numbered 6
7	Purple and Numbered 7
8	Gray and Numbered 8
9	White and Numbered 9
10	Black and Numbered 10
11	Tan and Numbered 11
12	Pink and Numbered 12
13	Gray/Brown Stripe and Numbered 13
14	Gray/Red Stripe and Numbered 14
15	Gray/Orange Stripe and Numbered 15
16	Gray/Yellow Stripe and Numbered 16
17	Gray/Green Stripe and Numbered 17
18	Gray/Blue Stripe and Numbered 18
19	Gray/Purple Stripe and Numbered 19

1854F Multi-Conductor - Multi-Pair Snake Cable

20	Gray/Gray Stripe and Numbered 20
21	Gray/White Stripe and Numbered 21
22	Gray/Black Stripe and Numbered 22
23	Gray/Tan Stripe and Numbered 23
24	Gray/Pink Stripe and Numbered 24
25	Blue/Brown Stripe and Numbered 25
26	Blue/Red Stripe and Numbered 26
27	Blue/Orange Stripe and Numbered 27
28	Blue/Yellow Stripe and Numbered 28
29	Blue/Green Stripe and Numbered 29
30	Blue/Blue Stripe and Numbered 30
31	Blue/Purple Stripe and Numbered 31
32	Blue/Gray Stripe and Numbered 32

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
16	Stranded	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord:

Yes

Overall Cabling

Overall Nominal Diameter:

1.346 in.

Pair

Pair Color Code Chart:

Number	Color
1	Red & Black
2	Red & Black
3	Red & Black
4	Red & Black
5	Red & Black
6	Red & Black
7	Red & Black
8	Red & Black
9	Red & Black
10	Red & Black
11	Red & Black
12	Red & Black
13	Red & Black
14	Red & Black
15	Red & Black
16	Red & Black
17	Red & Black
18	Red & Black
19	Red & Black
20	Red & Black
21	Red & Black
22	Red & Black
23	Red & Black
24	Red & Black
25	Red & Black
26	Red & Black
27	Red & Black

1854F Multi-Conductor - Multi-Pair Snake Cable

28	Red & Black
29	Red & Black
30	Red & Black
31	Red & Black
32	Red & Black

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +60°C
UL Temperature Rating:	60°C
Bulk Cable Weight:	800 lbs/1000 ft.
Max. Recommended Pulling Tension:	530 lbs.
Min. Bend Radius (Install)/Minor Axis:	13.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
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

Flame Test

UL Flame Test:	UL1685 FT4 Loading
C(UL) Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

110

Nom. Inductance:

Inductance (µH/ft)

.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

12

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

26

Nominal Velocity of Propagation:

VP (%)

76

Nom. Conductor DC Resistance:

1854F Multi-Conductor - Multi-Pair Snake Cable

DCR @ 20°C (Ohm/1000 ft)

23.7

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
.384	.69
.7056	.93
.768	.96
1.024	1.07
1.4112	1.19
1.536	1.21
2.048	1.31
2.8224	1.41
3.0720	1.45
4.096	1.57
5.6448	1.76
6.144	1.83
8.192	2.01
11.2896	2.24
12.288	2.30
24.576	3.08

Max. Operating Voltage - UL:**Voltage**

300 V RMS

Max. Recommended Current:**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
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