

89730 Multi-Conductor - Multi-Pair Snake Cable

For more Information
please call

1-800-Belden1

**Description:**

24 AWG stranded (7x32) tinned copper conductor, foam FEP insulation, twisted pairs, individually Beldfoil shielded (100% coverage), 24 AWG stranded tinned copper drain wire, overall fluorocopolymer jacket.

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

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
3	24	7x32	TC - Tinned Copper	.024

Insulation**Insulation Material:**

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	.062

Inner Shield**Inner Shield Material:**

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

Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVDF - Fluorocopolymer

Overall Cable

Overall Nominal Diameter: 0.278 in.

Pair**Pair Color Code Chart:**

Number	Color
1	White/Blue & Blue/White
2	White/Orange & Orange/White
3	White/Green & Green/White

Pair Lay Length & Direction:

Lay Length (in.)
1.750

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +150°C

Bulk Cable Weight: 42.400 lbs/1000 ft.

Max. Recommended Pulling Tension: 33 lbs.

89730 Multi-Conductor - Multi-Pair Snake Cable

Min. Bend Radius (Install)/Minor Axis: 3 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

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): 04/01/2005

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: NFPA 262

C(UL) Flame Test: FT6

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 9730

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

100

Nom. Inductance:

Inductance (μH/ft)

0.24

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

13.5

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

22.5

Nominal Velocity of Propagation:

VP (%)

76

Nominal Delay:

Delay (ns/ft)

1.3

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

24

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 14.400 Ohm/1000 ft

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

.384 0.74

.7056 0.87

.768 0.89

89730 Multi-Conductor - Multi-Pair Snake Cable

1.024	0.95
1.4112	1.03
1.536	1.06
2.048	1.17
2.8224	1.37
3.072	1.44
4.096	1.67
5.6448	1.89
6.144	1.96
8.192	2.26
11.2896	2.59
12.288	2.71
24.576	3.73

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.0 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89730 0081000	1,000 FT	40.000 LB	GRAY	C	3 SH PR #24 FFEP SLF
89730 008500	500 FT	21.500 LB	GRAY	C	3 SH PR #24 FFEP SLF

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-18-2008

© 2012 Belden, Inc
 All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the 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.