## **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



### 89734 Multi-Conductor - Multi-Pair Snake Cable

For more Information please call

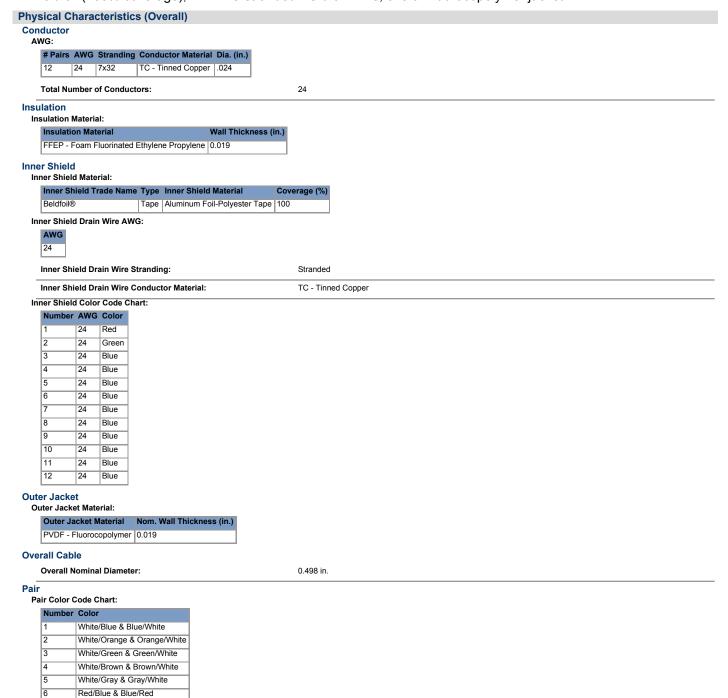
1-800-Belden1



#### **General Description:**

Red/Orange & Orange/Red

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



Page 1 of 3 08-26-2016

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8	Red/Green & Green/Red
9	Red/Brown & Brown/Red
10	Red/Gray & Gray/Red
11	Black/Blue & Blue/Black
12	Black/Orange & Orange/Black

Operating Temperature Range:	-40°C To +150°C					
Bulk Cable Weight:	124 lbs/1000 ft.					
Max. Recommended Pulling Tension:	198 lbs.					
Min. Bend Radius/Minor Axis:	5 in.					
pplicable Specifications and Agency Com	oliance (Overall)					
Applicable Standards & Environmental Programs						
NEC/(UL) Specification:	CMP					
CEC/C(UL) Specification:	CMP					
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):	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					
CSA Flame Test:	FT6					
Plenum/Non-Plenum						
Plenum (Y/N):	Yes					
Non-Plenum Number:	9734					

### **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm)
100

Nom. Inductance:

Inductance (µH/ft) .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)

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.)

Page 2 of 3 08-26-2010

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.384	.74
.7056	.87
.768	.89
1.024	.95
1.4112	1.03
1.536	1.06
2.048	1.17
2.28224	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

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89734 0081000	1,000 FT	140.000 LB	GRAY	С	12 #24 FS PR FFEP SLF
89734 008500	500 FT	71.000 LB	GRAY	С	12 #24 FS PR FFEP SLF

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 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).

Page 3 of 3