## **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



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

For more Information please call

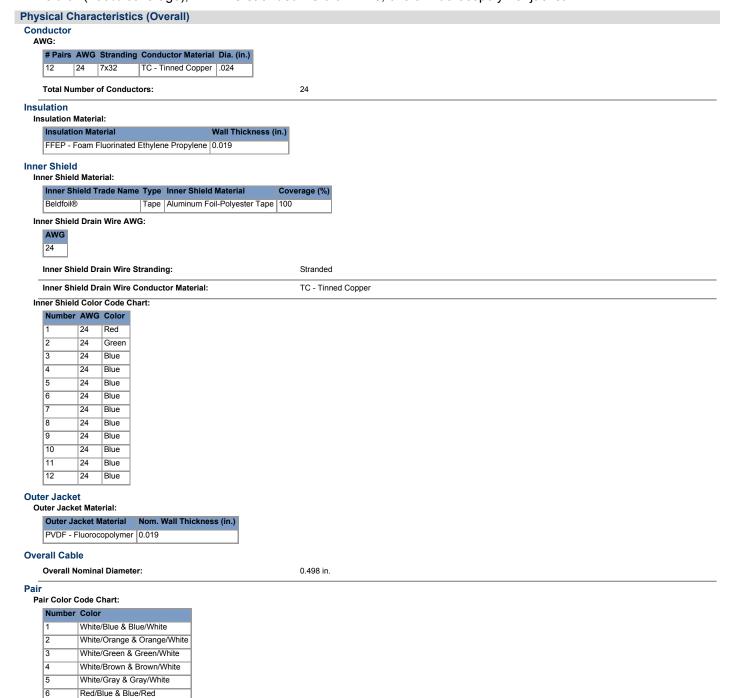
1-800-Belden1



#### **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.



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

Mechanical Characteristics (Overall)							
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.						
Applicable Specifications and Agency Compliance (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.)

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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.

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Belden Wire & Cable: 89734 0081000 89734 008500