# **Detailed Specifications & Technical Data**

## **METRIC MEASUREMENT VERSION**



# 89728 Multi-Conductor - Multi-Pair Snake Cable

For more Information please call

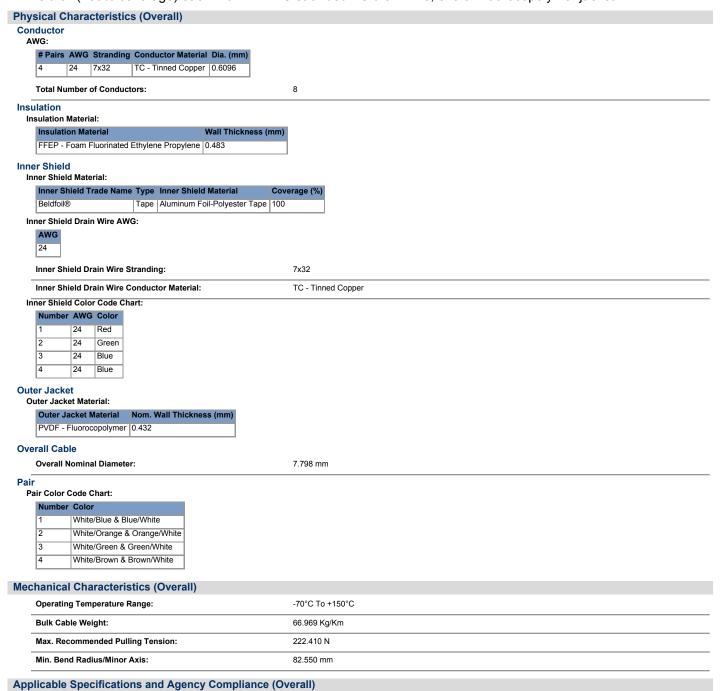
1-800-Belden1



## **General Description:**

**Applicable Standards & Environmental Programs** 

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



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|     | 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        |
| Fla | me Test                               |            |
|     | UL Flame Test:                        | NFPA 262   |
|     | C(UL) Flame Test:                     | FT6        |
| Ple | num/Non-Plenum                        |            |
|     | Plenum (Y/N):                         | Yes        |
|     | Non-Plenum Number:                    | 9728       |
|     |                                       |            |

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 44.2935

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 73.8225

Nominal Velocity of Propagation:

**VP (%)** 76

Nominal Delay:

**Delay (ns/m)** 4.2653

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 78.744

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 47.246 Ohm/km

# Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100m) |
|-------------|-----------------------|
| .384        | 2.42794               |
| .7056       | 2.85447               |
| .768        | 2.92009               |
| 1.024       | 3.11695               |
| 1.4112      | 3.37943               |
| 1.536       | 3.47786               |
| 2.048       | 3.83877               |
| 2.8224      | 4.49497               |
| 3.072       | 4.72464               |
| 4.096       | 5.47927               |
| 5.6448      | 6.20109               |
| 6.144       | 6.43076               |
| 8.192       | 7.41506               |
| 11.2896     | 8.49779               |
| 12.288      | 8.89151               |
| 24.576      | 12.2381               |

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Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

2.0 Amps per conductor @ 25°C

## **Put Ups and Colors:**

| Item #        | Putup    | Ship Weight | Color | Notes | Item Desc            |
|---------------|----------|-------------|-------|-------|----------------------|
| 89728 0081000 | 1,000 FT | 50.000 LB   | GRAY  | С     | 4 SH PR #24 FFEP SLF |
| 89728 008500  | 500 FT   | 26.500 LB   | GRAY  | С     | 4 SH PR #24 FFEP SLF |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 09-20-2013

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product. ´
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