Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



89705 Multi-Conductor - Multi-Pair Snake Cable

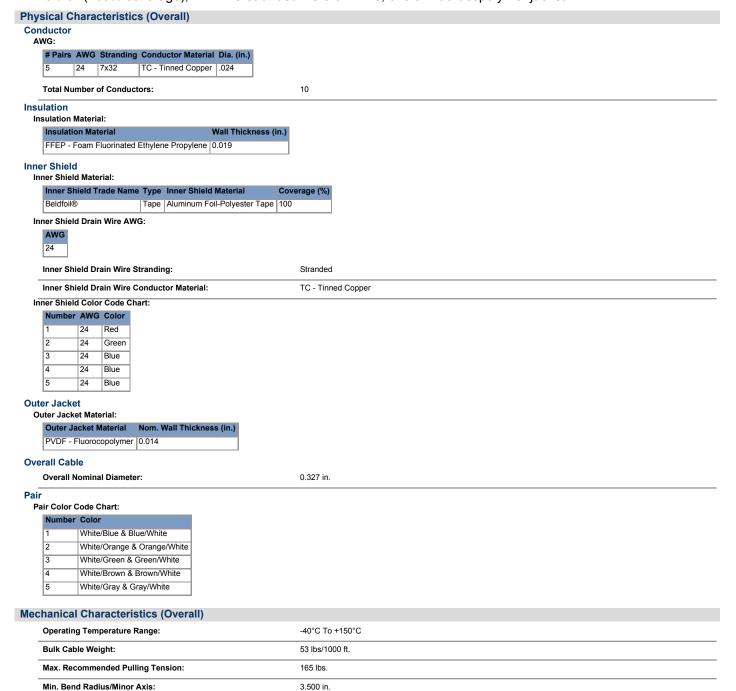
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General Description:

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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Applicable Specifications and Agency Com	pliance (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	

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Conductor:



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:

	Attenuation (dB/100 ft.)
.384	.74
.7056	.87
.768	.89
1.024	.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

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12.288	2.71
24.576	3.73

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
89705 0081000	1,000 FT	62.000 LB	GRAY	С	5 #24 FS PR FFEP SLF
89705 008500	500 FT	30.500 LB	GRAY	С	5 #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).

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