Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



89182 Twinax - Twinaxial Cable

For more Information please call

1-800-Belden1



Description:

22 AWG stranded (19x34) tinned copper conductors, foam FEP Teflon® insulation, Duofoil® (100% coverage) plus a stranded tinned copper drain wire, FEP Teflon jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	_	Conductor Material	, ,
1	22	19x34	TC - Tinned Copper	.031

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	.278

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Duofoil®	Таре	Aluminum Foil-Polyester Tape-Aluminum Foil	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material			
22	19x34	TC - Tinned Copper			

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material		
Teflon®	FEP - Fluorinated Ethylene Propylene		

Overall Cable

Overall Nominal Diameter: 0.307 in.

Pair

Pair Color Code Chart:



Pair Lay Length & Direction:

Lay Length (in.)		
3.000	4.000	Left Hand Lay

Mechanical Characteristics (Overall)

Operating Temperature Range:	-70°C To +200°C
Bulk Cable Weight:	48.700 lbs/1000 ft.
Max. Recommended Pulling Tension:	28 lbs.
Min. Bend Radius/Minor Axis:	3.500 in.

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Applicable Specifications and Agency Co	ompliance (Overall)
Applicable Standards & Environmental Prog	rams
CEC/C(UL) Specification:	CMP
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:	9182

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



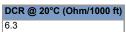
Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.4
10	1.2
50	2.7
100	4.3
200	6.2

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400 8.8

Max. Operating Voltage - UL:

Voltage 300 V RMS (CMP) 150 V RMS (CL2P)

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc. Other MaximumContinuous Currrents: 2.9 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89182 010100	100 FT	6.400 LB	BLACK	С	2 #22 FFEP FS FEP
89182 0101000	1,000 FT	53.000 LB	BLACK	С	2 #22 FFEP FS FEP
89182 010500	500 FT	28.000 LB	BLACK	С	2 #22 FFEP FS FEP

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-17-2008

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