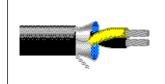


BELDENCable[®]

89182 Twinax - Twinaxial Cable





For more information please call
1-800-Belden1

See Put-ups and Colors

Description:

 $22 \ AWG \ stranded \ (19x34) \ tinned \ copper \ conductors, \ foam \ FEP \ Teflon \& \ insulation, \ Duo foil \& \ (100\% \ coverage) \ plus \ a \ stranded \ tinned \ copper \ drain \ wire, \ FEP \ Teflon \ jacket.$

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	22
Stranding	19x34
Conductor Diameter	.031 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material Trade Name	Teflon®
Insulation Material	FFEP - Foam Fluorinated Ethylene Propylene
Insulation Diameter	.278 in.

PAIR:

Pair Lay Length & Direction:

Lay Length (in.)	Direction	Twists/ft (twist/ft)
3	Left Hand	4

Pair Diameter .278 in.

Pair Color Code Chart:

Number	Color
1	Black & Yellow

OUTER SHIELD:

Outer Shield Drain Wire AWG

Outer Shield Trade Name	Duofoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape-Aluminum Foil
Outer Shield %Coverage	100 %
OUTER SHIELD DRAIN WIRE:	





89182 Twinax - Twinaxial Cable

Outer Shield Drain Wire Stranding	19x34

Outer Shield Drain Wire Conductor Material TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material Trade Name Teflon®

Outer Jacket Material FEP - Fluorinated Ethylene Propylene

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .307 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
Bulk Cable Weight	48.7 lbs/1000 ft.
Max. Recommended Pulling Tension	28 lbs.
Min Bend Radius (Install)	3.5 in

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP, CL2P
CEC/C(UL) Specification	CMP
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

FLAME TEST:

UL Flame Test	NFPA 262
C(UL) Flame Test	FT6

PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
Non-Plenum Number	9182

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	150 Ohms
Nom. Inductance	0.29 μH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	8.8 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	16.5 pF/ft
Nominal Velocity of Propagation	78 %
Nominal Delay	1.3 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	14.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance	6.3 Ohms/1000 ft
Nom. Attenuation :	



BELDENCable

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			0.4
	10			1.2
	50			2.7
	100			4.3
	200			6.2
	400			8.8

Max. Operating Voltage - UL	300 V RMS (CMP), 150 V RMS (CL2P)
Other Maximum Continuous Currents	2.9 Amps per conductor @ 25°C

NOTES:

Notes	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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PUT-UPS AND COLORS:

Ter ergin b condition							
Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes		
89182 010100	2 #22 FFEP FS FEP	100	6.4	BLACK	С		
89182 0101000	2 #22 FFEP FS FEP	1000	53	BLACK	С		
89182 010500	2 #22 FFEP FS FEP	500	28	BLACK	С		

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 09-09-2005

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