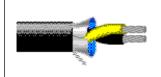


9182 Twinax - Twinaxial Cable





For more information please call 1-800-Belden1

See Put-ups and Colors

Description:

 $22\ AWG\ stranded\ (19x34)\ tinned\ copper\ conductors, Datalene @insulation, Duo foil @(100\%\ Coverage)\ plus\ a\ stranded\ tinned\ copper\ drain\ wire, PVC\ jacket.$

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	Datalene®
Insulation Material	FHDPE - Foam High Density Polyethylene

PAIR:

Pair Lay Length & Direction:

Lay Length (in.)	Direction	Twists/ft (twist/ft)
3.0		4

Pair Diameter .275 in.

Pair Color Code Chart:

Number	Color
1	Black & Yellow

OUTER SHIELD:

Duofoil®
Tape
Aluminum Foil-Polyester Tape-Aluminum Foil
100 %

Outer Shield Drain Wire AWG 22
Outer Shield Drain Wire Stranding 19x34
Outer Shield Drain Wire Diameter .031 in.



9182 Twinax - Twinaxial Cable

Outer Shield Drain	Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .345 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +60°C
Bulk Cable Weight	41 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	CMX, CL2X
CEC/C(UL) Specification	CMX
AWM Specification	UL Style 2668 (30 V 60°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

FLAME TEST:

UL Flame Test

UL1685 UL Loading, VW-1

SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Suitability - Aerial	Yes - when supported by a messenger wire

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	89182

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	150 Ohms
Nom. Inductance	0.293 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

Detailed Specifications & Technical Data



9182 Twinax - Twinaxial Cable

Nom. Attenuation:

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 (CMX), 30 V RMS (UL AWM Style 2668), 150 V RMS (CL2X)

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
	2 #22 FHDPE SHLD PVC	1000	44	BLACK	С
	2 #22 FHDPE SHLD PVC	500	23	BLACK	С
	2 #22 FHDPE SHLD PVC	U500	21.5	BLACK	

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 12-01-2005

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