Detailed Specifications & Technical Data

Belden CDT

BELDENCable™

1403A   Paired   -   SCSI 2 (Small Computer System Interface)

	For more information please call **1-800-Belden1** **See Put-ups and Colors** **Color Code Chart : No. 8 for DataTwist Cables (Modified Western Electric).pdf**

Description:

28 AWG (7x36) tinned copper conductors, flame retardant polypropylene insulation, 34 pairs with overall polypropylene binder tape, Beldfoil® and 85% tinned copper braid shields, PVC jacket.

SUITABLE APPLICATIONS:

Suitable Applications	SCSI 2

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	34
Number of Conductors	68
Total Number of Conductors	68
AWG	28
Stranding	7x36
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	FRPO - Flame Retardant Polyolefin

Pair Color Code Chart :	

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Number	Color	Number	Color
1	White/Blue & Blue/White	18	Yellow/Green & Green/Yellow
2	White/Orange & Orange/White	19	Yellow/Brown & Brown/Yellow
3	White/Green & Green/White	20	Yellow/Gray & Gray/Yellow
4	White/Brown & Brown/White	21	Purple/Blue & Blue/Purple
5	White/Gray & Gray/White	22	Purple/Orange & Orange/Purple
6	Red/Blue & Blue/Red	23	Purple/Green & Green/Purple
7	Red/Orange & Orange/Red	24	Purple/Brown & Brown/Purple
8	Red/Green & Green/Red	25	Purple/Gray & Gray/Purple
9	Red/Brown & Brown/Red	26	White & Blue
10	Red/Gray & Gray/Red	27	White & Orange
11	Black/Blue & Blue/Black	28	White & Green
12	Black/Orange & Orange/Black	29	White & Brown
13	Black/Green & Green/Black	30	White & Gray
14	Black/Brown & Brown/Black	31	Red & Blue
15	Black/Gray & Gray/Black	32	Red & Orange
16	Yellow/Blue & Blue/Yellow	33	Red & Green
17	Yellow/Orange & Orange/Yellow	34	Red & Brown

OVERALL CABLING:

Overall Cabling Separator Material	Foam Polypropylene Binder Tape

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

Layer Number	Material Trade Name	Type	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	85

Outer Shield %Coverage	100 %

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.480 in.

MECHANICAL CHARACTERISTICS:

Non-UL Temperature Rating	-20°C To +60°C
Bulk Cable Weight	106 lbs/1000 ft.
Max. Recommended Pulling Tension	180 lbs.
Min. Bend Radius (Install)	5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

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APPLICABLE STANDARDS:

NEC/(UL) Specification	CL2, CM
CEC/C(UL) Specification	CM

FLAME TEST:

UL Flame Test	UL1685 UL Loading

PLENUM/NON-PLENUM:

Plenum (Y/N)	N

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance :

Description	Nom. Characteristic Impedance (Ohms)
Differential TDR	120 ± 12
Single Ended TDR	80 ± 10

Nom. Capacitance Conductor to Conductor @ 1 KHz	12.7 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	30 pF/ft
Nominal Velocity of Propagation	66 %

Nominal Delay :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nominal Delay (ns/ft)
Pair-to-Pair				.04

Nom. Conductor DC Resistance @ 20 Deg. C	64.9 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	1.5 Ohms/1000 ft

Max. Attenuation (dB/100 ft.) :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Attenuation (dB/100 ft.)
	5			2.3

Max. Operating Voltage - UL	150 V RMS
Max. Recommended Current	0.5 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1403A F2V1000	34 PR #28 FRPP SH PVC	1000	139	GRAY, DEC	C Z
1403A F2V500	34 PR #28 FRPP SH PVC	500	71.5	GRAY, DEC	C Z

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 1   Revision Date: 07-23-2004

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