Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

1401A Multi-Conductor - Small Computer System Interface

For more Information
please call

1-800-Belden1

Description:

SCSI, 28 AWG stranded (7x36) TC conductors, non-plenum, flame-retardant polyolefin insulation, polypropylene buffer layer, twisted pairs, overall Beldfoil® shield + TC braid shield (85% coverage), see color code chart (below), light gray PVC jacket.

Usage (Overall)

Suitable Applications:	SCSI II

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
50	25	28	7x36	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material
FRPO - Flame Retardant Polyolefin

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Cabling Separator Material:	Foamed PP Binder Tape
Overall Nominal Diameter:	0.420 in.

Pair

Pair Color Code Chart:

Number	Color
1	White/Blue & Blue/White
2	White/Orange & Orange/White
3	White/Green & Green/White
4	White/Brown & Brown/White
5	White/Gray & Gray/White
6	Red/Blue & Blue/Red
7	Red/Orange & Orange/Red
8	Red/Green & Green/Red
9	Red/Brown & Brown/Red
10	Red/Gray & Gray/Red
11	Black/Blue & Blue/Black
12	Black/Orange & Orange/Black
13	Black/Green & Green/Black

14	Black/Brown & Brown/Black
15	Black/Gray & Gray/Black
16	Yellow/Blue & Blue/Yellow
17	Yellow/Orange & Orange/Yellow
18	Yelow/Green & Green/Yellow
19	Yellow/Brown & Brown/Yellow
20	Yellow/Gray & Gray/Yellow
21	Purple/Blue & Blue/Purple
22	Purple/Orange & Orange/Purple
23	Purple/Green & Green/Purple
24	Purple/Brown & Brown/Purple
25	Purple/Gray & Gray/Purple

Mechanical Characteristics (Overall)

Non-UL Temperature Rating:	-20°C To +60°C
Bulk Cable Weight:	90 lbs/1000 ft.
Max. Recommended Pulling Tension:	180 lbs.
Min. Bend Radius (Install)/Minor Axis:	4.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2, CMG
CEC/C(UL) Specification:	CMG
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):	10/13/2005
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:	UL1685 FT4 Loading
CSA Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Description	Impedance (Ohm)	Tolerance (Ohms)
Differential TDR	122.000	+38 -7
Single Ended TDR	84.000	± 12

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
12.7

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
30

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

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

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
64.9

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2

Max. Attenuation:

()	Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)
2.3		5		

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
0.5 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1401A F2V1000	1,000 FT	101.000 LB	GRAY, DEC	C	25 PR #28 FRPP SH PVC
1401A F2V500	500 FT	51.500 LB	GRAY, DEC	C	25 PR #28 FRPP SH PVC

Notes:
C = CRATE REEL PUT-UP.

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