

## 1403A Multi-Conductor - Small Computer System Interface



For more Information  
please call

1-800-Belden1

**General Description:**

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

**Usage (Overall)**

Suitable Applications: SCSI 2

**Physical Characteristics (Overall)****Conductor**

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
68	34	28	7x36	TC - Tinned Copper

Total Number of Conductors: 68

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (mm)
FRPO - Flame Retardant Polyolefin	0.254

**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	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.965

**Overall Cable**

Overall Cabling Separator Material: Foam Polypropylene Binder Tape

Overall Nominal Diameter: 12.192 mm

**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

## 1403A Multi-Conductor - Small Computer System Interface

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	Yellow/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
26	White & Blue
27	White & Orange
28	White & Green
29	White & Brown
30	White & Gray
31	Red & Blue
32	Red & Orange
33	Red & Green
34	Red & Brown

**Mechanical Characteristics (Overall)**

<b>Bulk Cable Weight:</b>	190.490 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	800.676 N
<b>Min. Bend Radius/Minor Axis:</b>	127 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

<b>NEC/(UL) Specification:</b>	CL2, CM
<b>CEC/C(UL) Specification:</b>	CM
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	10/13/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

**Flame Test**

<b>UL Flame Test:</b>	UL1685 UL Loading
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**Plenum/Non-Plenum**

<b>Plenum (Y/N):</b>	No
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**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:**

## METRIC MEASUREMENT VERSION

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## Capacitance (pF/m)

41.6687

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

## Capacitance (pF/m)

98.43

## Nominal Velocity of Propagation:

## VP (%)

66

## Nominal Delay:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Delay (ns/m)
Pair-to-Pair				0.13124

## Nom. Conductor DC Resistance:

## DCR @ 20°C (Ohm/km)

212.937

## Nominal Outer Shield DC Resistance:

## DCR @ 20°C (Ohm/km)

4.9215

## Max. Attenuation:

()	Freq. (MHz)	Attenuation (dB/100m)
7.5463	5.000	7.546

## Max. Operating Voltage - UL:

## Voltage

300 V RMS

## Max. Recommended Current:

## Current

0.5 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1403A F2V1000	1,000 FT	136.000 LB	GRAY, DEC	C	34 PR #28 FRPP SH PVC
1403A F2V500	500 FT	71.500 LB	GRAY, DEC	C	34 PR #28 FRPP SH PVC

## Notes:

C = CRATE REEL PUT-UP.

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