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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
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>MIL 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:

<b>Capacitance (pF/m)</b>
41.6687

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

<b>Capacitance (pF/m)</b>
98.43

#### Nominal Velocity of Propagation:

<b>VP (%)</b>
66

#### Nominal Delay:

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

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
212.937

#### Nominal Outer Shield DC Resistance:

## METRIC MEASUREMENT VERSION

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

**DCR @ 20°C (Ohm/km)**

4.9215

**Max. Attenuation:**

( )	Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)
7.5463		5		

**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.

Revision Number: 3    Revision Date: 11-12-2012

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