

1401A 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 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 |

Total Number of Conductors: 50

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|-----------------------------------|----------------------|
| FRPO - Flame Retardant Polyolefin | 0.010 |

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 (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.029 |

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 | Yellow/Green & Green/Yellow |
| 19 | Yellow/Brown & Brown/Yellow |
| 20 | Yellow/Gray & Gray/Yellow |

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| | |
|----|-------------------------------|
| 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)

| | |
|--|-----------------|
| Bulk Cable Weight: | 93 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 180 lbs. |
| Min. Bend Radius/Minor Axis: | 4.250 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|--|------------|
| NEC/(UL) Specification: | CL2, CMG |
| CEC/C(UL) Specification: | CMG |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| 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 |
| MIL 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:

| () | Freq. (MHz) | Attenuation (dB/100 ft.) |
|-----|-------------|--------------------------|
| 2.3 | 5.000 | 2.300 |

Max. Operating Voltage - UL:

| |
|----------------|
| Voltage |
|----------------|

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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 |
|---------------|----------|-------------|-----------|-------|-----------------------|
| 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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Как с нами связаться

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