# Detailed Specifications & Technical Data

**ENGLISH MEASUREMENT VERSION**

**49802A Molded Cable Assemblies - SCSI Cable Assembly**

**Obsolete**
**Call**
**1-800-BELDEN1**

For more Information please call

1-800-Belden1

## Description:

SCS1-1 assemblies (26 AWG), for SCSI (Small Computer Systems Interface) applications, straight handles, polyethylene insulation, PVC jacket.

## Physical Characteristics (Overall)

### Conductor

**AWG:**

| # Conductors | AWG | Stranding | Conductor Material | Dia. (in.) |
|---|---|---|---|---|
| 50 | 26 | 7x34 | TC - Tinned Copper | .019 |

| | |
|---|---|
| **Number of Pins:** | 50 |

### Insulation

**Insulation Material:**

| Insulation Material | Wall Thickness (in.) |
|---|---|
| PE - Polyethylene | 0.01 |

### Connector Characteristics

| | |
|---|---|
| **Connector Characteristics - First End # of Connector Contacts/positions:** | 50 |
| **Connector Characteristics - First End Connector Gender:** | Male |
| **Connector Characteristics - First End Connector Shielding Type:** | Metal Backshells |
| **Connector Characteristics - First End Connector Type:** | Ribbon |
| **Connector Characteristics - First End Overmold Color:** | Chrome |
| **Connector Characteristics - First End Overmold Compound Material:** | PVC |
| **Connector Characteristics - First End Overmold Type:** | 50 Position Ribbon |
| **Connector Characteristics - First End Retention Hardware:** | Bail Latch Ears |
| **Connector Characteristics - Second End # of Connector Contacts/positions:** | 50 |
| **Connector Characteristics - Second End Connector Gender:** | Male |
| **Connector Characteristics - Second End Connector Shielding Type:** | Metal Backshells |
| **Connector Characteristics - Second End Connector Type:** | Ribbon |
| **Connector Characteristics - Second End Overmold Color:** | Chrome |
| **Connector Characteristics - Second End Overmold Compound Material:** | PVC |

| | |
|---|---|
| **Connector Characteristics - Second End Overmold Type:** | 50 Position Ribbon |
| **Connector Characteristics - Second End Retention Hardware:** | Bail Latch Ears |

## Outer Shield

**Outer Shield Material:**

| Layer # | Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---|---|---|---|---|
| 1 | Duofoil® | Tape | Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 2 | | Braid | TC - Tinned Copper | 90 |

**Outer Shield Drain Wire AWG:**

| AWG | Stranding | Drain Wire Conductor Material |
|---|---|---|
| 22 | 7x30 | TC - Tinned Copper |

## Outer Jacket

**Outer Jacket Material:**

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|---|---|
| PVC - Polyvinyl Chloride | 0.049 |

## Overall Cabling

| | |
|---|---|
| **Overall Nominal Diameter:** | 0.535 in. |

## Assembly Dimensional

| | |
|---|---|
| **Assembly Dimensional Length:** | 16.4 |

## Wiring

| | |
|---|---|
| **Wiring:** | Straight-Wired. Pair #1 on Pins 1 & 26, Pair #2 on Pins 2 & 27, Pair #3 on Pins 3 & 28, etc. Shield to Connector Shell. |

# Mechanical Characteristics (Overall)

| | |
|---|---|
| **UL Temperature Rating:** | 80°C (UL AWM Style 2919) |

# Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards & Environmental Programs

| | |
|---|---|
| **NEC/(UL) Specification:** | CM (cable only) |
| **AWM Specification:** | UL Style 2919 (30 V 80°C) (cable only) |
| **EU Directive 2000/53/EC (ELV):** | Yes |
| **EU Directive 2002/95/EC (RoHS):** | Yes |
| **EU RoHS Compliance Date (mm/dd/yyyy):** | 04/01/2005 |
| **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 |

## Plenum/Non-Plenum

| | |
|---|---|
| **Plenum (Y/N):** | No |

# Electrical Characteristics (Overall)

**Max. Operating Voltage - UL:**

| Voltage |
|---|
| 30 V RMS (UL AWM Style 2919) |

# Notes (Overall)

**Notes:** Molded handles are 100% shielded to guard against EMI/RFI and assist in FCC compliance. These assemblies have tin-plated connectors and can be used in single-ended and differential configurations. Wiring is per SCSI standard.

# Put Ups and Colors:

## 49802A Molded Cable Assemblies - SCSI Cable Assembly

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---|---|---|---|---|---|

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