

## 49673A Molded Cable Assemblies - D-Subminiature Assembly



For more Information  
please call

1-800-Belden1

**General Description:**

25-position shielded D-Sub, for RS-232 applications, S-R PVC insulation, foil shield (general purpose), PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Conductors | AWG | Stranding | Conductor Material | Dia. (mm) |
|--------------|-----|-----------|--------------------|-----------|
| 25           | 24  | 7x32      | TC - Tinned Copper | 0.6096    |

Total Number of Conductors: 25

Number of Pins: 25

**Insulation****Insulation Material:**

| Insulation Material                     | Wall Thickness (mm) |
|---|---------------------|
| S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.254               |

**Connector Characteristics**

Connector Characteristics - First End # of  
Connector Contacts/positions: 25

Connector Characteristics - First End Connector  
Gender: Male

Connector Characteristics - First End Connector  
Shielding Type: Metal Backshells

Connector Characteristics - First End Connector  
Type: D-Sub

Connector Characteristics - First End Overmold  
Color: Chrome

Connector Characteristics - First End Overmold  
Compound Material: PVC

Connector Characteristics - First End Overmold  
Type: 25 Position D-Sub

Connector Characteristics - First End Retention  
Hardware: Thumbscrew

Connector Characteristics - Second End # of  
Connector Contacts/positions: 25

Connector Characteristics - Second End  
Connector Gender: Female

Connector Characteristics - Second End  
Connector Shielding Type: Metal Backshells

Connector Characteristics - Second End  
Connector Type: D-Sub

Connector Characteristics - Second End  
Overmold Color: Chrome

Connector Characteristics - Second End  
Overmold Compound Material: PVC

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Connector Characteristics - Second End Overmold Type: 25 Position D-Sub

Connector Characteristics - Second End Retention Hardware: Thumbscrew

## Outer Shield

## Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material        | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape | 100          |

## Outer Shield Drain Wire AWG:

| AWG Stranding | Drain Wire Conductor Material |
|---------------|-------------------------------|
| 24            | 7x32 TC - Tinned Copper       |

## Outer Jacket

## Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.8128                   |

## Overall Cable

Overall Nominal Diameter: 8.611 mm

## Assembly Dimensional

Assembly Dimensional Length: 5

## Wiring

Wiring: Point to Point. Pin #1 on End 1 to Pin #1 on End 2, Pin #2 to Pin #2, etc. Cable Shield Connected to Connector Shell.

## Mechanical Characteristics (Overall)

UL Temperature Rating: 80°C (UL AWM Style 2464)

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|                                       |   |
|---------------------------------------|---|
| NEC/(UL) Specification:               | CM (cable only)                         |
| AWM Specification:                    | UL Style 2464 (300 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                       |
|-------------------------------|
| 300 V RMS (UL AWM Style 2464) |

## Notes (Overall)

**Notes:** Molded handles are 100% shielded to guard against EMI/RFI. All connectors tin-plated and male connectors have detents for a positive shield to ground connection. Wiring is point-to-point with the shield to connector shell.

**Notes (Cont'd.):** Jack screw retention on both connectors.

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### Put Ups and Colors:

| Item #       | Putup | Ship Weight | Color  | Notes | Item Desc             |
|--------------|-------|-------------|--------|-------|-----------------------|
| 49673A 060S2 | 1 EA  | 0.500 LB    | CHROME |       | 25 POS SHD D-SUB 9543 |

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