

## 49615A Molded Cable Assemblies - D-Subminiature Assembly



For more Information  
please call

1-800-Belden1



### Description:

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

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Conductors | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------------|-----|-----------|--------------------|------------|
| 25           | 24  | 7x32      | TC - Tinned Copper | .024       |

Number of Pins: 25

#### Insulation

##### Insulation Material:

| Insulation Material                     | Wall Thickness (in.) |
|---|----------------------|
| S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.01                 |

#### 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:

| Layer # | Outer Shield Trade Name | Type  | Outer Shield Material        | Coverage (%) |
|---------|-------------------------|-------|------------------------------|--------------|
| 1       | Beldfoil®               | Tape  | Aluminum Foil-Polyester Tape | 100          |
| 2       |                         | Braid | TC - Tinned Copper           | 65           |

## Outer Jacket

## Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.04                      |

## Overall Cable

Overall Nominal Diameter: 0.370 in.

## 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.

## Related Documents:

No related documents are available for this product

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### Put Ups and Colors:

| Item #       | Putup | Ship Weight | Color  | Notes | Item Desc             |
|--------------|-------|-------------|--------|-------|-----------------------|
| 49615A 060S2 | 1 EA  | 0.500 LB    | CHROME |       | 25 POS SHD D-SUB 9617 |

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