

49645 Molded Cable Assemblies - GPIB (General Purpose Interface Bus) Assembly



For more Information
please call

1-800-Belden1



Description:

GPIB unshielded, for use with electronic equipment that is IEEE-488 compatible, Molded PVC connector, S-R PVC insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | # Pairs | AWG | Stranding | Conductor Material |
|--------------|---------|-----|-----------|--------------------|
| | 6 | 26 | 7x34 | TC - Tinned Copper |
| 10 | | 26 | 7x34 | TC - Tinned Copper |
| 1 | | 24 | 7x32 | TC - Tinned Copper |

Number of Pins: 24

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: 24

Connector Characteristics - First End Connector Gender: Male/Female

Connector Characteristics - First End Connector Shielding Type: None

Connector Characteristics - First End Connector Type: Stackable Ribbon

Connector Characteristics - First End Overmold Color: Gull Gray

Connector Characteristics - First End Overmold Compound Material: PVC

Connector Characteristics - First End Overmold Type: GPIB

Connector Characteristics - First End Retention Hardware: Thumbscrews

Connector Characteristics - Second End # of Connector Contacts/positions: 24

Connector Characteristics - Second End Connector Gender: Male/Female

Connector Characteristics - Second End Connector Shielding Type: None

Connector Characteristics - Second End Connector Type: Stackable Ribbon

Connector Characteristics - Second End Overmold Color: Gull Gray

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Connector Characteristics - Second End Overmold Compound Material: PVC

Connector Characteristics - Second End Overmold Type: GPIB

Connector Characteristics - Second End Retention Hardware: Thumbscrews

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 | 90 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 26 | 7x34 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.035 |

Overall Cable

Overall Nominal Diameter: 0.350 in.

Assembly Dimensional

Assembly Dimensional Length: 26.2

Wiring

Wiring: Straight wired.

Wiring Diagram Color Code Chart:

| Number | Color |
|--------|-----------------------------|
| 1 | Brown |
| 2 | Red |
| 3 | Orange |
| 4 | Yellow |
| 5 | Green |
| 6 | Blue (pair 1) |
| 7 | Purple (pair 2) |
| 8 | Gray (pair 3) |
| 9 | White (pair 4) |
| 10 | White/Black (pair 5) |
| 11 | White/Brown (pair 6) |
| 12 | Drain Wire |
| 13 | White/Orange |
| 14 | White/Yellow |
| 15 | White/Green |
| 16 | White/Blue |
| 17 | White/Purple |
| 18 | White/Gray (pair 1) |
| 19 | White/Black/Brown (pair 2) |
| 20 | White/Black/Red (pair 3) |
| 21 | White/Black/Orange (pair 4) |
| 22 | White/Black/Yellow (pair 5) |
| 23 | White/Black/Green (pair 6) |
| 24 | White/Black/Blue (24 AWG) |

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 70 lbs/1000 ft.

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & 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 connector is male/female design for easy stacking and comes with molded-in metric jackscrews.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|-------------|-------|-------------|------------|-------|------------------------------|
| 49645 C62S2 | 1 EA | 1.600 LB | GRAY, GULL | | GPIB UNSHD CONNECTOR RI38601 |

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