

9641 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information
please call

1-800-Belden1



Description:

26 AWG stranded (7x34) and 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil (100% Coverage) plus inncd copper braid shield (90% Coverage), drain wire, 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 |

Insulation

Insulation Material:

| Insulation Material |
|---|
| S-R PVC - Semi-Rigid Polyvinyl Chloride |

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|------------|-----------------------|--------------|
| Tape/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 |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color | AWG | Group/Cond. Color |
|--------|------------------------------------|-----|-------------------|
| 1 | Blue and White/Gray | 26 | Pair |
| 2 | Purple and White/Black/Brown | 26 | Pair |
| 3 | Gray and White/Black/Red | 26 | Pair |
| 4 | White and White/Black/Orange | 26 | Pair |
| 5 | White/Black and White/Black/Yellow | 26 | Pair |
| 6 | White/Brown and White/Black/Green | 26 | Pair |
| 7 | Brown | 26 | Conductor |
| 8 | Red | 26 | Conductor |
| 9 | Orange | 26 | Conductor |
| 10 | Yellow | 26 | Conductor |
| 11 | Lt. Green | 26 | Conductor |
| 12 | White/Orange | 26 | Conductor |
| 13 | White/Yellow | 26 | Conductor |
| 14 | White/Green | 26 | Conductor |
| 15 | White/Blue | 26 | Conductor |
| 16 | White/Purple | 26 | Conductor |

9641 Multi-Conductor - Computer Cable for EIA RS-232 Applications

| | | | |
|----|------------------|----|-----------|
| 17 | White/Black/Blue | 24 | Conductor |
|----|------------------|----|-----------|

Overall Cabling Separator Material: Polyester

Overall Nominal Diameter: 0.350 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

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

Bulk Cable Weight: 71 lbs/1000 ft.

Max. Recommended Pulling Tension: 140 lbs.

Min. Bend Radius (Install)/Minor Axis: 3.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

AWM Specification: UL Style 2464 (300 V 80°C)

CSA Specification: AWM I A

IEEE Specification: 488

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): 10/01/2005

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

Flame Test

C(UL) Flame Test: FT4

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

| Description | DCR @ 20°C (Ohm/1000 ft) |
|-------------|--------------------------|
| 24 AWG | 23.3 |
| 26 AWG | 37.3 |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 2.6 |

Max. Operating Voltage - UL:

| Voltage |
|-------------------------------|
| 300 V RMS (UL AWM Style 2464) |

Max. Recommended Current:

| Current |
|--|
| 0.6 Amps per conductor @ 25°C (26 AWG) |
| 1.1 Amps per conductor @ 25°C (24 AWG) |

Related Documents:

9641 Multi-Conductor - Computer Cable for EIA RS-232 Applications

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|-------|-------|-------------------------|
| 9641 0081000 | 1,000 FT | 82.000 LB | GRAY | C | 23 CONDR IEEE 488 CABLE |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 04-11-2008

© 2012 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.