

9502 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information
please call

1-800-Belden1



Description:

24 AWG stranded (7x32) TC conductors, semi-rigid PVC insulation, twisted pairs, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain Wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2 | 24 | 7x32 | TC - Tinned Copper |

Insulation

Insulation Material:

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

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 |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cable

Overall Nominal Diameter: 0.222 in.

Pair

Pair Color Code Chart:

| Number | Color |
|--------|---------------|
| 1 | Black & Red |
| 2 | Black & White |

Mechanical Characteristics (Overall)

| | |
|--|--------------------------|
| Operating Temperature Range: | -30°C To +80°C |
| UL Temperature Rating: | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight: | 12.400 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 22 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 2.250 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

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| | |
|---------------------------------------|----------------------------|
| CEC/C(UL) Specification: | CMG |
| AWM Specification: | UL Style 2464 (300 V 80°C) |
| CSA Specification: | AWM I A |
| 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): | 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 |
| PMSHA Specification: | SC-7K-182037 |

Flame Test

| | |
|-------------------|--------------------|
| UL Flame Test: | UL1685 FT4 Loading |
| C(UL) Flame Test: | FT4 |

Suitability

| | |
|----------------------|-----|
| Sunlight Resistance: | Yes |
|----------------------|-----|

Plenum/Non-Plenum

| | |
|----------------|-------|
| Plenum (Y/N): | No |
| Plenum Number: | 82502 |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| |
|-----------------|
| Impedance (Ohm) |
| 75 |

Nom. Inductance:

| |
|--------------------------|
| Inductance (μ H/ft) |
| .188 |

Nom. Capacitance Conductor to Conductor:

| |
|---------------------|
| Capacitance (pF/ft) |
| 30 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|---------------------|
| Capacitance (pF/ft) |
| 50 |

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
| 60 |

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 24 |

Nominal Outer Shield DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 17 |

Max. Operating Voltage - UL:

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

Max. Recommended Current:

| |
|---------|
| Current |
|---------|

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1.76 Amps per conductor @ 25°C

Notes (Overall)

Notes: Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration certification. Request quotations on RG/U cables not listed.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|-----------|-------------|--------|-------|---------------------|
| 9502 060U1000 | 1,000 FT | 28.000 LB | CHROME | | 2 PR #24 PVC FS PVC |
| 9502 060U500 | 500 FT | 15.000 LB | CHROME | | 2 PR #24 PVC FS PVC |
| 9502 060100 | 100 FT | 3.400 LB | CHROME | | 2 PR #24 PVC FS PVC |
| 9502 0601000 | 1,000 FT | 30.000 LB | CHROME | C | 2 PR #24 PVC FS PVC |
| 9502 06010000 | 10,000 FT | 290.000 LB | CHROME | C Y | 4 #24 PVC PVC |
| 9502 060500 | 500 FT | 14.500 LB | CHROME | C | 2 PR #24 PVC FS PVC |

Notes:

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

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