

Detailed Specifications & Technical Data



BELDENCable™

9503 Paired - Computer Cable for EIA RS-232 Applications



For more information please call
1-800-Belden1

See Put-ups and Colors

Color Code Chart : No. 3 for Paired Cables (Belden Standard).pdf

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:

CONDUCTOR:

| | |
|----------------------------|--------------------|
| Number of Pairs | 3 |
| Total Number of Conductors | 6 |
| AWG | 24 |
| Stranding | 7x32 |
| Conductor Material | TC - Tinned Copper |

INSULATION:

| | |
|-------------------------|---|
| Insulation Material | S-R PVC - Semi-Rigid Polyvinyl Chloride |
| Lay Length | 1.5 in. |
| Twists/ft. | 8 |
| Pair Color Code Chart : | |

| Number | Color | Number | Color |
|--------|---------------|--------|---------------|
| 1 | Black & Red | 3 | Black & Green |
| 2 | Black & White | | |

OUTER SHIELD:

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

OUTER SHIELD DRAIN WIRE :

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

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勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

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OUTER JACKET:

| | |
|-----------------------|--------------------------|
| Outer Jacket Material | PVC - Polyvinyl Chloride |
|-----------------------|--------------------------|

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .232 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

| | |
|----------------------------------|--------------------------|
| Operating Temperature Range | -30°C To +80°C |
| UL Temperature Rating | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight | 27.1 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 33 lbs. |
| Min. Bend Radius (Install) | 2.5 in. |

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

| | |
|---------------------------------------|----------------------------|
| NEC/(UL) Specification | CMG |
| CEC/C(UL) Specification | CMG |
| AWM Specification | UL Style 2464 (300 V 80°C) |
| CSA Specification | AWM I A |
| EU CE Mark (Y/N) | Yes |
| EU RoHS Compliant (Y/N) | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |

FLAME TEST:

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

PLENUM/NON-PLENUM:

| | |
|---------------|--------------|
| Plenum (Y/N) | N |
| Plenum Number | 89503, 82503 |

ELECTRICAL CHARACTERISTICS:

| | |
|---|--------------------------------|
| Nom. Characteristic Impedance | 75 Ohms |
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 30 pF/ft |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 50 pF/ft |
| Nominal Velocity of Propagation | 60 % |
| Nom. Conductor DC Resistance @ 20 Deg. C | 24 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20 Deg. C | 17 Ohms/1000 ft |
| Max. Operating Voltage - UL | 300 V RMS (UL AWM Style 2464) |
| Max. Recommended Current | 1.76 Amps per conductor @ 25°C |

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PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|---------------|---------------------|--------------|--------------------|--------------|-------|
| 9503 060100 | 3 PR #24 PVC FS PVC | 100 | 3.4 | CHROME | |
| 9503 0601000 | 3 PR #24 PVC FS PVC | 1000 | 30 | CHROME | C |
| 9503 060500 | 3 PR #24 PVC FS PVC | 500 | 14.5 | CHROME | C |
| 9503 060U1000 | 3 PR #24 PVC FS PVC | U1000 | 28 | CHROME | |
| 9503 060U500 | 3 PR #24 PVC FS PVC | U500 | 14.5 | CHROME | |

C = CRATE REEL PUT-UP.

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