

## 8332 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232 Applications

 For more Information  
 please call

1-800-Belden1

**General Description:**

24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, multi-paired cable with overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

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

Total Number of Conductors:

4

**Insulation**

Insulation Material:

| Insulation Material                     | Wall Thickness (in.) |
|-----------------------------------------|----------------------|
| S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.011                |

**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 | 0.035                     |

**Overall Cable**

Overall Nominal Diameter:

0.250 in.

**Pair**

Pair Color Code Chart:

| Number | Color                       |
|--------|-----------------------------|
| 1      | White/Blue & Blue/White     |
| 2      | White/Orange & Orange/White |

**Mechanical Characteristics (Overall)**

|                              |                          |
|------------------------------|--------------------------|
| Operating Temperature Range: | -30°C To +80°C           |
| UL Temperature Rating:       | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight:           | 33 lbs/1000 ft.          |
| Min. Bend Radius/Minor Axis: | 2.500 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                    |
| EU Directive 2011/65/EU (RoHS II):    | Yes                        |
| 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                        |

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|                                |     |
|--------------------------------|-----|
| EU Directive 2003/11/EC (BFR): | Yes |
|--------------------------------|-----|

|                                   |     |
|-----------------------------------|-----|
| CA Prop 65 (CJ for Wire & Cable): | Yes |
|-----------------------------------|-----|

|                             |     |
|-----------------------------|-----|
| MII Order #39 (China RoHS): | Yes |
|-----------------------------|-----|

**Flame Test**

|                |                    |
|----------------|--------------------|
| UL Flame Test: | UL1685 FT4 Loading |
|----------------|--------------------|

|                 |     |
|-----------------|-----|
| CSA Flame Test: | FT4 |
|-----------------|-----|

**Plenum/Non-Plenum**

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

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)

75

**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)

5.4

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Max. Recommended Current:**

Current

1.8 Amps per conductor @ 25°C

**Put Ups and Colors:**

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc              |
|--------------|----------|-------------|--------|-------|------------------------|
| 8332 060100  | 100 FT   | 4.100 LB    | CHROME |       | 2 PR #24 PVCR SHLD PVC |
| 8332 0601000 | 1,000 FT | 37.000 LB   | CHROME | C     | 2 PR #24 PVCR SHLD PVC |
| 8332 060500  | 500 FT   | 18.500 LB   | CHROME |       | 2 PR #24 PVCR SHLD PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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