# **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION

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

Total Number of Conductors: 4

### Insulation

### **Insulation Material:**

| Insulation Material                     | Wall Thickness (mm) |
|-----------------------------------------|---------------------|
| S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.279               |

### **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 (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.889                    |

### **Overall Cable**

Overall Nominal Diameter: 6.350 mm

### **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:           | 49.111 Kg/Km             |
| Min. Bend Radius/Minor Axis: | 63.500 mm                |

# **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) |

Page 1 of 3 10-30-2013

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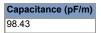
|     | CSA Specification:                    | AWMIA              |
|-----|---------------------------------------|--------------------|
|     | EU Directive 2011/65/EU (ROHS II):    | Yes                |
|     | EU CE Mark:                           | Yes                |
|     | EU Directive 2000/53/EC (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                |
|     | EU Directive 2003/11/EC (BFR):        | Yes                |
|     | CA Prop 65 (CJ for Wire & Cable):     | Yes                |
|     | MII Order #39 (China RoHS):           | Yes                |
| Fla | ame Test                              |                    |
|     | UL Flame Test:                        | UL1685 FT4 Loading |
|     | CSA Flame Test:                       | FT4                |
| Ple | enum/Non-Plenum                       |                    |
|     | Plenum (Y/N):                         | No                 |

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



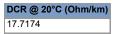
**Nominal Velocity of Propagation:** 



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:



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  | 30 MT  | 1.860 KG    | CHROME |       | 2 PR #24 PVCR SHLD PVC |
| 8332 0601000 | 305 MT | 16.783 KG   | CHROME | С     | 2 PR #24 PVCR SHLD PVC |
| 8332 060500  | 152 MT | 8.391 KG    | CHROME |       | 2 PR #24 PVCR SHLD PVC |

Notes:

C = CRATE REEL PUT-UP.

Page 2 of 3 10-30-2013

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#### METRIC MEASUREMENT VERSION



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

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