



**9539 Non-Paired - Computer Cable for EIA RS-232 Applications**

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|--|--|
|   | <p><b>For more information please call</b><br/><b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p><b>Related Documents : No. 1.pdf</b></p> |
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**Description:**

24 AWG stranded (7x32) tinned copper conductors, conductors cabled, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

|                            |                    |
|----------------------------|--------------------|
| Number of Conductors       | 9                  |
| Total Number of Conductors | 9                  |
| AWG                        | 24                 |
| Stranding                  | 7x32               |
| Conductor Material         | TC - Tinned Copper |

**INSULATION:**

|                                |                          |
|--------------------------------|--------------------------|
| Insulation Material            | PVC - Polyvinyl Chloride |
| Nom. Insulation Wall Thickness | .010 in.                 |

**OVERALL CABLING:**

|                            |           |
|----------------------------|-----------|
| Overall Cabling Lay Length | 2.125 in. |
|----------------------------|-----------|

Overall Cabling Color Code Chart :

| Number | Color | Number | Color  |
|--------|-------|--------|--------|
| 1      | Black | 6      | Blue   |
| 2      | White | 7      | Orange |
| 3      | Red   | 8      | Yellow |
| 4      | Green | 9      | Purple |
| 5      | Brown |        |        |

**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 AWG       | 24                           |
| Outer Shield Drain Wire Stranding | 7x32                         |



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|  |                    |
|--|--------------------|
| Outer Shield Drain Wire Conductor Material | TC - Tinned Copper |
|--|--------------------|

**OUTER JACKET:**

|                                     |                          |
|-------------------------------------|--------------------------|
| Outer Jacket Material               | PVC - Polyvinyl Chloride |
| Outer Jacket Nominal Wall Thickness | .032 in.                 |

**OVERALL NOMINAL DIAMETER:**

|                          |          |
|--------------------------|----------|
| Overall Nominal Diameter | .244 in. |
|--------------------------|----------|

**MECHANICAL CHARACTERISTICS:**

|                                  |                          |
|----------------------------------|--------------------------|
| Operating Temperature Range      | -30°C To +80°C           |
| UL Temperature Rating            | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight                | 37.3 lbs/1000 ft.        |
| Max. Recommended Pulling Tension | 49.5 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) |
| EU CE Mark (Y/N)                      | Yes                        |
| EU RoHS Compliant (Y/N)               | Yes                        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005                 |

**FLAME TEST:**

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

**PLENUM/NON-PLENUM:**

|              |   |
|--------------|---|
| Plenum (Y/N) | N |
|--------------|---|

**ELECTRICAL CHARACTERISTICS:**

|   |                                |
|---|--------------------------------|
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 30 pF/ft                       |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 55 pF/ft                       |
| Nom. Conductor DC Resistance @ 20 Deg. C        | 25 Ohms/1000 ft                |
| Nominal Outer Shield DC Resistance @ 20 Deg. C  | 18 Ohms/1000 ft                |
| Max. Operating Voltage - UL                     | 300 V RMS (UL AWM Style 2464)  |
| Max. Recommended Current                        | 1.75 Amps per conductor @ 25°C |

**PUT-UPS AND COLORS:**

| Item        | Description      | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|-------------|------------------|--------------|--------------------|--------------|-------|
| 9539 060100 | 9 #24 PVC FS PVC | 100          | 4.2                | CHROME       |       |



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|               |                  |       |    |        |   |
|---------------|------------------|-------|----|--------|---|
| 9539 0601000  | 9 #24 PVC FS PVC | 1000  | 38 | CHROME | C |
| 9539 060500   | 9 #24 PVC FS PVC | 500   | 17 | CHROME | C |
| 9539 060U1000 | 9 #24 PVC FS PVC | U1000 | 37 | CHROME |   |
| 9539 060U500  | 9 #24 PVC FS PVC | U500  | 20 | CHROME |   |

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 05-25-2005

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