

**9538 Non-Paired - EIA RS-232**

|                                                                                   |                                                                                                                                                      |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>For more information please<br/>call<br/><b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p><b>Color Code Chart : No. 1.pdf</b></p> |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

**Description:**

24 AWG stranded conductors (7x32), tinned copper, conductors cabled, 24 AWG stranded tinned copper drain wire, S-R PVC insulated, Beldfoil® aluminum-polyester (100% shield coverage), PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

|                            |                    |
|----------------------------|--------------------|
| Number of Conductors       | 8                  |
| Total Number of Conductors | 8                  |
| 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 | 1.75 in. |
|----------------------------|----------|

Overall Cabling Color Code Chart :

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

**OUTER SHIELD:**

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

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**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 |

**OUTER JACKET:**

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

**OVERALL NOMINAL DIAMETER:**

|                          |          |
|--------------------------|----------|
| Overall Nominal Diameter | .224 in. |
|--------------------------|----------|

**MECHANICAL CHARACTERISTICS:**

|                                  |                   |
|----------------------------------|-------------------|
| Operating Temperature Range      | -30°C To +80°C    |
| Bulk Cable Weight                | 30.6 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 44 lbs.           |
| Min. Bend Radius (Install)       | 2.25 in.          |

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

|                         |      |
|-------------------------|------|
| NEC/(UL) Specification  | CMG  |
| CEC/C(UL) Specification | CMG  |
| AWM Specification       | 2464 |

**FLAME TEST:**

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

**PLENUM/NON-PLENUM:**

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

**ELECTRICAL CHARACTERISTICS:**

|                                                 |                                |
|-------------------------------------------------|--------------------------------|
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 33 pF/ft                       |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 65 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                      |
| Other Maximum Continuous Currents               | 1.75 Amps Per Conductor @ 25°C |

**PUT-UPS AND COLORS:**

| Item         | Description      | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|--------------|------------------|--------------|--------------------|--------------|-------|
| 9538 060100  | 8 #24 PVC FS PVC | 100          | 3.9                | CHROME       |       |
| 9538 0601000 | 8 #24 PVC FS PVC | 1000         | 33                 | CHROME       |       |

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|               |                  |       |    |        |  |
|---------------|------------------|-------|----|--------|--|
| 9538 060500   | 8 #24 PVC FS PVC | 500   | 17 | CHROME |  |
| 9538 060U1000 | 8 #24 PVC FS PVC | U1000 | 33 | CHROME |  |
| 9538 060U500  | 8 #24 PVC FS PVC | U500  | 17 | CHROME |  |

Revision Number: 1      Revision Date: 08-18-2003

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