

**3 Pair Overall Foil and Braid Screened Multicore RS232 and RS422 Cable 24(7) AWG (Belden 9830 Equiv.)**

Part number: 519-003

**Description:**

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), 24 AWG stranded TC drain wire, PVC jacket.

**Conductor**

| Number of pairs | AWG | Stranding | Conductor Material |
|-----------------|-----|-----------|--------------------|
| 3               | 24  | 7x32      | TC- Tinned copper  |

**Insulator**

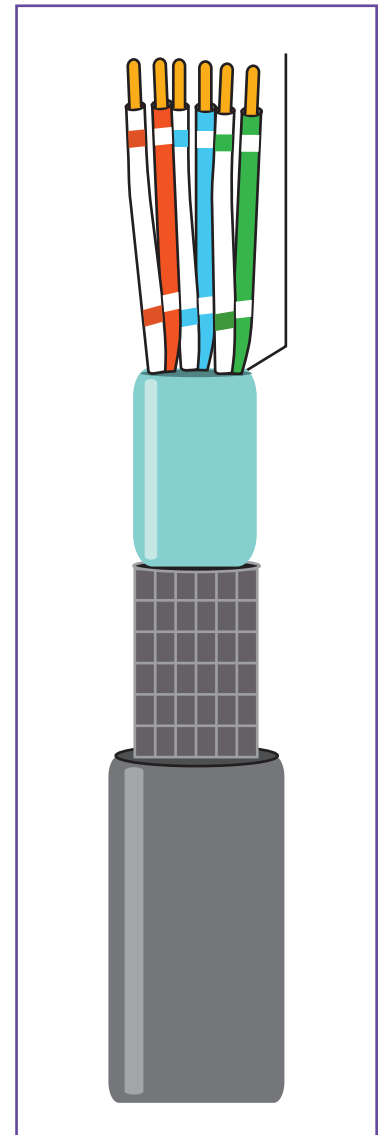
| Insulation Material | Wall Thickness (mm) |
|---------------------|---------------------|
| PE - Polyethylene   | 0.406               |

**Outer Shield**

| Layer# | Outer shield trade name      | Type  | Outer shield material        | Coverage (%) |
|--------|------------------------------|-------|------------------------------|--------------|
| 1      | Beldfoil® (w/ shorting fold) | Tape  | Aluminum Foil polyester tape | 100          |
| 2      |                              | Braid | TC - Tinned copper           | 65           |

**Outer Jacket**

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.889                    |



**Mechanical Characteristics (Overall)**

Operating Temperature Range: -30°C To +80°C  
 UL Temperature Rating: 80°C (UL AWM Style 2919)  
 Bulk Cable Weight: 71.434 Kg/Km  
 Min. Bend Radius/Minor Axis: 82.550 mm  
 Overall diameter: 7.747 mm

**Electrical Characteristics**

**Impedance (Ohm):** 100  
**Capacitance (pF/ft):** 50.8555  
**Nominal Velocity of Propagation:** 66  
**DCR @ 20°C (Ohm/1000 ft):** 78.744  
**Max. Operating Voltage:** 300 V RMS  
**Max. Recommended Current:** 2.1 Amps per conductor @ 25 °C