



**Product:** [9519](#)

RS232, #24-19pr, SR-PVC, O/A Foil, PVC Jkt, CMG, 75Ω

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, 19 twisted pairs, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire (continued), PVC jacket.

Technical Specifications

Product Overview

|                        |                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | RS-232 Applications; Computer Communications; Low Voltage Analog Signals (4-20ma, 0-10v, ...); Low Voltage Digital Control (24v, ...); Line Level Audio; Panel Wiring |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Construction Details

Conductor

| Element | No. of Elements | Size   | Stranding | Material           |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 19              | 24 AWG | 7x32      | TC - Tinned Copper |

Insulation

| Element | Material                                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code                                                                                                                                                                                                                                                                      |
|---------|------------------------------------------|--------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pair(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 mm) | 0.044 in (1.1 mm)        | Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White, Red & Green, Red & Blue, Red & Yellow, Red & Brown, Red & Orange, Green & White, Green & Blue, Green & Yellow, Green & Brown, Green & Orange, White & Blue |

Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (7x32) TC |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.034 in (0.86 mm) | 0.448 in (11.4 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.448 in (11.4 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Velocity of Prop. | Max. Current                   |
|---------|--------------------|-------------------------------|-------------------------------------------------|------------------------|--------------------------------|
| Pair(s) | 28.8 Ohm/1000ft    | 30 pF/ft (98 pF/m)            | 50 pF/ft (160 pF/m)                             | 60%                    | 2.2 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating                |
|----------------------------------|
| 300 V (CMG), 300 V (UL AWM 2464) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 80°C           | -30°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 4.5 in (110 mm) | 4.5 in (110 mm)   |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 215 lbs (97.5 kg) |
| Bulk Cable Weight: | 113 lbs/1000ft    |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                       |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4                                                     |
| CPR Compliance:                  | CPR Euroclass: Eca                                                           |
| NEC / UL Compliance:             | Article 800, CMG                                                             |
| AWM Compliance:                  | AWM 2464, AWM I/II A                                                         |
| CEC / C(UL) Compliance:          | CMG                                                                          |
| European Directive Compliance:   | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance:        | UKCA Mark                                                                    |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                              |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.481 Revision Date: 12-22-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color  | Putup Type | Length   | UPC          | Footnote |
|--------------|--------|------------|----------|--------------|----------|
| 9519 060100  | Chrome | Reel       | 100 ft   | 612825254850 | C        |
| 9519 060500  | Chrome | Reel       | 500 ft   | 612825254874 | C        |
| 9519 0601000 | Chrome | Reel       | 1,000 ft | 612825254867 | C        |

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