



Product: [9509](#) 

RS-232, #24-9pr, 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, 9 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 | Number of Element | Size | Stranding | Material |
|---------|-------------------|--------|-----------|--------------------|
| Pair(s) | 9 | 24 AWG | 7x32 | TC - Tinned Copper |

Insulation

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

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 | 0.032 in (0.81 mm) | 0.334 in (8.48 mm) |

Overall Cable Diameter (Nominal): 0.334 in (8.48 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) | 24 Ohm/1000ft (79 Ohm/km) | 30 pF/ft (98 pF/m) | 50 pF/ft (160 pF/m) | 60% | 1.1 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 (UL AWM 2464) | -30°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| | |

| | |
|----------------|----------------|
| 3.3 in (84 mm) | 3.3 in (84 mm) |
|----------------|----------------|

| | |
|--------------------|--------------------------|
| Max. Pull Tension: | 105 lbs |
| Bulk Cable Weight: | 62 lbs/1000ft (92 kg/km) |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor |
| Flammability / Reaction to Fire: | UL1685 FT4 Loading, FT4, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 800, CMG |
| AWM Compliance: | 2464, 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) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Plenum Number: | 82509 |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.366 Revision Date: 12-15-2021 |
|----------------------|--|

Variants

| Item # | Color | Putup Type | Length | UPC/EAN |
|--------------|--------|------------|----------|---------------|
| 9509.0030 | Chrome | Reel | 30 m | 8719605021595 |
| 9509 060100 | Chrome | Reel | 100 ft | 612825254515 |
| 9509.01152 | Chrome | Reel | 152 m | 8719605021618 |
| 9509.00305 | Chrome | Reel | 305 m | 8719605021601 |
| 9509 060500 | Chrome | Reel | 500 ft | 612825254539 |
| 9509 0601000 | Chrome | Reel | 1,000 ft | 612825254522 |
| 9509 0605000 | Chrome | Reel | 5,000 ft | 612825254546 |

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