



Product: [82509](#)

RS232, #24-9pr, FEP, O/A Foil, LS-PVC Jkt, CMP

### Product Description

Computer EIA RS-232 Cable, 9-Pair, 24 AWG stranded (7x32) tinned copper conductors, FEP insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, Flammarrest® jacket, plenum rated

### Technical Specifications

#### Product Overview

|                        |   |
|------------------------|---|
| Suitable Applications: | indoor plenum 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) | 9               | 24 AWG | 7x32      | TC - Tinned Copper |

##### Insulation

| Element | Material                             | Nom. Thickness     | Color Code   |
|---------|--------------------------------------|--------------------|--|
| Pair(s) | FEP - Fluorinated Ethylene Propylene | 0.006 in (0.15 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 | 0.015 in (0.38 mm) | 0.246 in (6.25 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.246 in (6.25 mm) |
|-----------------------------------|--------------------|

#### Electrical Characteristics

##### Electricals

| Element | Nom. Conductor DCR            | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|---------|-------------------------------|-------------------------------|---|--------------------------------|
| Pair(s) | 24.1 Ohm/1000ft (79.1 Ohm/km) | 23 pF/ft (75 pF/m)            | 42 pF/ft (140 pF/m)                             | 1.5 Amps per Conductor at 25°C |

##### Voltage

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 300 V (CMP)              |

#### Mechanical Characteristics

##### Temperature

|                  |
|------------------|
| <b>Operating</b> |
| 0°C to +75°C     |

|                    |                          |
|--------------------|--------------------------|
| Max. Pull Tension: | 110 lbs (50 kg)          |
| Bulk Cable Weight: | 45 lbs/1000ft (67 kg/km) |

## Standards and Compliance

|                                  |  |
|----------------------------------|--|
| Flammability / Reaction to Fire: | NFPA 262 Plenum Flame Test (UL910)   |
| NEC / UL Compliance:             | Article 800, CMP   |
| CEC / C(UL) Compliance:          | CMP  |
| 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)  |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.298 Revision Date: 02-03-2025 |
|----------------------|--|

## Part Numbers

### Variants

| Item #        | Color   | UPC          | Footnote |
|---------------|---------|--------------|----------|
| 82509 8771000 | Natural | 612825197263 | C        |

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