



**Product:** [9612](#) 

RS232, #24-7c, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

## Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), 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           |
|--------------|-------------------|--------|-----------|--------------------|
| Conductor(s) | 7                 | 24 AWG | 7x32      | TC - Tinned Copper |

#### Insulation

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

#### Outer Shield

| Shield Type | Material                | Coverage |
|-------------|-------------------------|----------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     |
| Braid       | Tinned Copper (TC)      | 65%      |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.035 in (0.89 mm) | 0.225 in (5.72 mm) |

Overall Cable Diameter (Nominal): 0.225 in (5.72 mm)

### Electrical Characteristics

#### Electricals

| Element      | Nom. Conductor DCR        | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------|---------------------------|-------------------------------|-------------------------------------------------|--------------------------------|
| Conductor(s) | 25 Ohm/1000ft (82 Ohm/km) | 30 pF/ft (98 pF/m)            | 55 pF/ft (180 pF/m)                             | 1.5 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. |
|-----------------|-------------------|
|-----------------|-------------------|

|                    |                          |
|--------------------|--------------------------|
| 2.3 in (58 mm)     | 2.3 in (58 mm)           |
| Max. Pull Tension: | 63 lbs (29 kg)           |
| Bulk Cable Weight: | 33 lbs/1000ft (49 kg/km) |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor (Not Riser or Plenum), 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:                  | AWM 2464                                                                     |
| 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)                                              |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.342 Revision Date: 02-08-2022 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color  | Putup Type | Length   | UPC          |
|--------------|--------|------------|----------|--------------|
| 9612 060100  | Chrome | Reel       | 100 ft   | 612825256403 |
| 9612 060500  | Chrome | Reel       | 500 ft   | 612825256427 |
| 9612 0601000 | Chrome | Reel       | 1,000 ft | 612825256410 |

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