



Product: [9940](#)

RS-232, #22-4c, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

Product Description

Computer EIA RS-232 Cable, 22 AWG stranded (7x30) 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      | No. of Elements | Size   | Stranding | Material           |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 4               | 22 AWG | 7x30      | TC - Tinned Copper |

Insulation

| Element      | Material                                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code               |
|--------------|------------------------------------------|--------------------|--------------------------|--------------------------|
| Conductor(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 mm) | 0.050 in (1.3 mm)        | Black, White, Red, Green |

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) | 0.215 in (5.46 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.215 in (5.46 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------|--------------------|-------------------------------|-------------------------------------------------|--------------------------------|
| Conductor(s) | 14.7 Ohm/1000ft    | 37 pF/ft (120 pF/m)           | 67 pF/ft (220 pF/m)                             | 1.8 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature                   | Operating      |
|----------------------------------|----------------|
| 60°C (UL CMG);80°C (UL AWM 2464) | -30°C to +80°C |

Bend Radius

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

|                    |                |
|--------------------|----------------|
| 2.6 in (66 mm)     | 2.6 in (66 mm) |
| Max. Pull Tension: | 54 lbs (24 kg) |
| Bulk Cable Weight: | 30 lbs/1000ft  |

Standards and Compliance

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| Environmental Suitability:       | Indoor (Not Riser or Plenum), Indoor    |
| Sustainability:                  | CA Prop 65                              |
| Flammability / Reaction to Fire: | UL 1685 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                              |
| UK Regulation Compliance:        | UKCA Mark                               |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.514 Revision Date: 04-19-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color  | UPC          | Footnote |
|--------------|--------|--------------|----------|
| 9940 060100  | Chrome | 612825264675 |          |
| 9940 0601000 | Chrome | 612825264682 | C        |
| 9940 060500  | Chrome | 612825264699 | C        |
| 9940 0605000 | Chrome | 612825264705 |          |

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