



**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      | Number of Element | Size   | Stranding | Material           |
|--------------|-------------------|--------|-----------|--------------------|
| Conductor(s) | 4                 | 22 AWG | 7x30      | 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 |

#### 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) |

|                           |                    |
|---------------------------|--------------------|
| 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 (48.2 Ohm/km) | 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)           |
| Bulk Cable Weight: | 30 lbs/1000ft (45 kg/km) |

Standards and Compliance

|                                  |                                        |
|----------------------------------|----------------------------------------|
| Environmental Suitability:       | Indoor (Not Riser or Plenum), Indoor   |
| Sustainability:                  | CA Prop 65                             |
| 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                                   |
| CEC / C(UL) Compliance:          | CMG                                    |
| European Directive Compliance:   | EU CE Mark                             |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.346 Revision Date: 10-27-2021 |
|----------------------|--------------------------------------------------|

Variants

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

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.