



**Product:** [9949](#)

RS-232, #22-37c, 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	AWG	Stranding	Material
Conductor(s)	37	22	7x30	TC - Tinned Copper

#### Insulation

Element	Material	Thickness	Color Code
Conductor(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.011 in (0.28 mm)	Black, White, Red, Green, Orange, Blue, White/Black Stripe, Red/Black Stripe, Green/Black Stripe, Orange/Black Stripe, Blue/Black Stripe, Black/White Stripe, Red/White Stripe, Green/White Stripe, Blue/White Stripe, Black/Red Stripe, White/Red Stripe, Orange/Red Stripe, Blue/Red Stripe, Red/Green Stripe, Orange/Green Stripe, Black/White/Red Stripes, White/Black/Red Stripes, Red/Black/White Stripes, Green/Black/White Stripes, Orange/Black/White Stripes, Blue/Black/White Stripes, Black/Red/Green Stripes, White/Red/Green Stripes, Red/Black/Green Stripes, Green/Black/Orange Stripes, Orange/Black/Green Stripes, Blue/White/Orange Stripes, Black/White/Orange Stripes, White/Red/Orange Stripes, Orange/White/Blue Stripes, White/Red/Blue Stripes

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.040 in (1.0 mm)	0.460 in

Cable Diameter (Nominal): 0.460 in (11.7 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)	35 pF/ft (110 pF/m)	63 pF/ft (210 pF/m)	1.1 Amps per Conductor at 25°C

Nom. Outer Shield DCR: 2.7 Ohm/1000ft

#### Voltage

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

### Mechanical Characteristics

#### Temperature

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

## Bend Radius

Stationary Min.	Installation Min.
5.5 in (140 mm)	5.5 in (140 mm)

Bulk Cable Weight: 161 lbs/1000ft (240 kg/km)

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 FT4 Loading, FT4, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	2464
CEC / C(UL) Compliance:	CMG
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark

## History

Update and Revision:	Revision Number: 0.348 Revision Date: 07-02-2021
----------------------	--

© 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.