



REPRESENTATIVE IMAGE

**Product:** [9808](#)

RS232/422 Low Cap, #28-7pr, PP, O/A Foil+Braid, PVC Jkt, CL2, 100Ω

## Product Description

Computer EIA RS-232/422 Cable, 7-Pair, 28 AWG stranded (7x36) tinned copper conductors, polypropylene insulation, overall Beldfoil® (100% coverage) + tinned copper braid shield (90% coverage), 28 AWG stranded tinned copper drain wire, PVC jacket.

## Technical Specifications

### Product Overview

Suitable Applications:	RS-232 extended distance applications; RS-422 applications; computer communications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; panel wiring
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### Construction Details

#### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	7	28 AWG	7x36	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PP - Polypropylene	0.009 in (0.23 mm)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	28 AWG (7x36) TC
Braid	Tinned Copper (TC)	90%	

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.256 in (6.50 mm)

Overall Cable Diameter (Nominal): 0.256 in (6.50 mm)

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	64.9 Ohm/1000ft (213 Ohm/km)	15.5 pF/ft (50.9 pF/m)	27.5 pF/ft (90.2 pF/m)	100 Ohm	66%	0.9 Amps per Conductor at 25°C

#### Voltage

UL Voltage Rating
30 V (UL AWM 2960)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating	Storage
60°C (UL AWM 2960)	-30°C to +60°C	-35°C to +60 °C

## Bend Radius

Stationary Min.	Installation Min.
2.6 in (66 mm)	2.6 in (66 mm)

Max. Pull Tension:	71 lbs
Bulk Cable Weight:	41 lbs/1000ft (61 kg/km)

## Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading
NEC / UL Compliance:	Article 725, CL2
AWM Compliance:	2960
European Directive Compliance:	EU CE Mark, EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.325 Revision Date: 12-15-2021
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## Variants

Item #	Color	Putup Type	Length	UPC
9808 060100	Chrome	Reel	100 ft	612825258872
9808 060500	Chrome	Reel	500 ft	612825258896
9808 0601000	Chrome	Reel	1,000 ft	612825258889

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