



**Product:** [9804](#)

RS232/422 Low Cap, #28-2pr, PO, O/A Foil+Braid, PVC Jkt, CL2, 100Ω

## Product Description

Computer EIA RS-232/422 Cable, 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

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
28	7x36	TC - Tinned Copper	2

Conductor Count: 4

#### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.009 in

#### Color Chart

Number	Color
1	Black & Red
2	Black & White

#### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	28	7x36 mm
Braid	2	TC - Tinned Copper		90 %			

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.214 in	0.042 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
64.9 Ohm/1000ft	4.9 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
15.5 pF/ft	27.5 pF/ft

#### Inductance

Nominal Inductance
0.19 μH/ft

#### Impedance

Nominal Characteristic Impedance
100 Ω

100 Ohm

#### Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
66 ns/100m	66 %

#### Current

Max. Recommended Current [A]
1 Amp per conductor @ 25°C A

#### Voltage

UL Description	UL Voltage Rating
UL AWM Style 2960	30 V RMS (UL AWM Style 2960)
CL2	150 V RMS (CL2)

#### Temperature Range

UL Temp Rating:	60°C (UL AWM Style 2960)
Operating Temp Range:	-20°C To +60°C

#### Mechanical Characteristics

Bulk Cable Weight:	29 lbs/1000ft
Max Recommended Pulling Tension:	40 lbs
Min Bend Radius/Minor Axis:	2.25 in

#### Standards

NEC/(UL) Specification:	CL2
UL AWM Style:	2960 (30 V 60°C)
CPR Euroclass:	Eca

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	30 V RMS (UL AWM Style 2960)

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

##### Variants

Item #	Color	UPC	Length	Footnote
9804 060100	Chrome	612825258742	100 ft	
9804 0601000	Chrome	612825258759	1,000 ft	C
9804 060500	Chrome	612825258766	500 ft	C

Footnote:	C - CRATE REEL PUT-UP.
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#### History

Update and Revision:	Revision Number: 0.249 Revision Date: 08-22-2019
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