



Product: [8302](#)

RS-232, Low Cap, #22-2pr, 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, 2 twisted pairs, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), PVC jacket.

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | RS-232 Extended Distance 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 |
| Pair(s) | 2 | 22 AWG | 7x30 | TC - Tinned Copper |

| Insulation | | | | |
|------------|--|--------------------|--------------------------|----------------------------|
| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
| Pair(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 mm) | 0.051 in (1.3 mm) | Black & Red, Black & White |

| 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) | 0.280 in (7.11 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.280 in (7.11 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

| Electricals | | | | | |
|-------------|--------------------|-------------------------------|---|------------------------|--------------------------------|
| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Velocity of Prop. | Max. Current |
| Pair(s) | 18.2 Ohm/1000ft | 40 pF/ft (130 pF/m) | 72 pF/ft (240 pF/m) | 60% | 2.8 Amps per Conductor at 25°C |

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

Mechanical Characteristics

| Temperature | |
|----------------|----------------|
| UL Temperature | Operating |
| 80°C | -30°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.8 in (71 mm) | 2.8 in (71 mm) |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 36.4 lbs (16.5 kg) |
| Bulk Cable Weight: | 38 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4 |
| 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, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.522 Revision Date: 12-22-2023 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|--------------|--------|------------|----------|--------------|----------|
| 8302 060100 | Chrome | Reel | 100 ft | 612825200796 | |
| 8302 060500 | Chrome | Reel | 500 ft | 612825200819 | C |
| 8302 0601000 | Chrome | Reel | 1,000 ft | 612825200802 | C |
| 8302 0605000 | Chrome | Reel | 5,000 ft | 612825200826 | |

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