



Product: [8335](#)

RS232, Low Cap, #24-5pr, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

Product Description

Computer EIA RS-232 Cable, 5-Pair, 24 AWG stranded (7x32) 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 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) | 5 | 24 AWG | 7x32 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--|----------------------|--------------------------|---------------------------|
| Pair(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.0105 in (0.267 mm) | 0.044 in (1.1 mm) | Western Electric Standard |

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) | 0.295 in (7.49 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.295 in (7.49 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Nom. Velocity of Prop. | Max. Current |
|---------|--------------------|-------------------------------|---|-------------------------------|------------------------|--------------------------------|
| Pair(s) | 28.8 Ohm/1000ft | 30 pF/ft (98 pF/m) | 50 pF/ft (160 pF/m) | 75 Ohm | 60% | 2.2 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. |
|-----------------|-------------------|
| 2.9 in (74 mm) | 2.9 in (74 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 55 lbs (25 kg) |
| Bulk Cable Weight: | 52 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, AWM I A |
| 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

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|----------------------|--|
| Update and Revision: | Revision Number: 0.459 Revision Date: 01-20-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|--------------|--------|------------|----------|--------------|----------|
| 8335 060100 | Chrome | Reel | 100 ft | 612825204398 | |
| 8335 060500 | Chrome | Reel | 500 ft | 612825204411 | |
| 8335 0601000 | Chrome | Reel | 1,000 ft | 612825204404 | C |

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