



Product: [82505](#)

RS232, #24-5pr, FEP, O/A Foil, LS-PVC Jkt, CMP

Product Description

Computer EIA RS-232 Cable, 5-Pair, 24 AWG stranded (7x32) tinned copper conductors, FEP insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, Flamarrest® jacket, plenum rated

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | indoor plenum 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 | No. of Elements | Size | Stranding | Material |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 5 | 24 AWG | 7x32 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|---------|--------------------------------------|--------------------|---|
| Pair(s) | FEP - Fluorinated Ethylene Propylene | 0.006 in (0.15 mm) | Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 24 AWG (7x32) TC |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.196 in (4.98 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.196 in (4.98 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|---------|-------------------------------|-------------------------------|---|--------------------------------|
| Pair(s) | 24.1 Ohm/1000ft (79.1 Ohm/km) | 25 pF/ft (82 pF/m) | 45 pF/ft (150 pF/m) | 1.5 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CMP) |

Mechanical Characteristics

Temperature

| Operating |
|--------------|
| 0°C to +75°C |

| | |
|--------------------|--------------------------|
| Max. Pull Tension: | 61 lbs (28 kg) |
| Bulk Cable Weight: | 28 lbs/1000ft (42 kg/km) |

Standards and Compliance

| | |
|----------------------------------|--|
| Flammability / Reaction to Fire: | NFPA 262 Plenum Flame Test (UL910) |
| NEC / UL Compliance: | Article 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.313 Revision Date: 12-22-2023 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|----------------|---------|--------------|----------|
| 82505 8771000 | Natural | 612825197232 | C |
| 82505 877U1000 | Natural | 612825197225 | |

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