



REPRESENTATIVE IMAGE

**Product:** [82512](#) 

RS-232, #24-12.5pr, FEP, O/A Foil, LS-PVC Jkt, CMP

## Product Description

Computer EIA RS-232 Cable, 12.5-Pair, 24 AWG stranded (7x32) tinned copper conductors, FEP insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, Flamarest® 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      | Number of Element | Size   | Stranding | Material           |
|--------------|-------------------|--------|-----------|--------------------|
| Pair(s)      | 12                | 24 AWG | 7x32      | TC - Tinned Copper |
| Conductor(s) | 1                 | 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, Black & Brown, Black & Orange, Red & White, Red & Green, Red & Blue, Red & Yellow, Red & Brown, Yellow |
| Conductor(s) | FEP - Fluorinated Ethylene Propylene | 0.006 in (0.15 mm) | 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) | 0.278 in (7.06 mm) |

|                           |                    |
|---------------------------|--------------------|
| Cable Diameter (Nominal): | 0.278 in (7.06 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) | 23 pF/ft (75 pF/m)            | 42 pF/ft (140 pF/m)                             | 1.5 Amps per Conductor at 25°C |

#### Voltage

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

### Mechanical Characteristics

#### Temperature

| Operating |
|-----------|
|-----------|

0°C to +60°C

Bend Radius

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

|                    |                          |
|--------------------|--------------------------|
| Max. Pull Tension: | 143 lbs (64.9 kg)        |
| Bulk Cable Weight: | 56 lbs/1000ft (83 kg/km) |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                       |
| Flammability / Reaction to Fire: | NFPA 262 Plenum Flame Test (UL910), FT6                                      |
| 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: 0.359 Revision Date: 10-13-2021 |
|----------------------|--------------------------------------------------|

Variants

| Item #        | Color   | UPC          |
|---------------|---------|--------------|
| 82512 8771000 | Natural | 612825197270 |

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