



**Product:** <u>1422A</u> ☑

RS232/422 Low Cap, #24-5pr, FPE, O/A Foil, PVC Jkt, CM,  $100\Omega$ 

# **Product Description**

Computer EIA RS-232/422 Cable, 5-Pair, 24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

# **Technical Specifications**

## **Product Overview**

| Suitable Applications: | RS-232 extended distance applications; RS-423 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) | 5                 | 24 AWG | 7x32      | TC - Tinned Copper |

## Insulation

| Element | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code                |
|---------|--------------------------|--------------------|--------------------------|---------------------------|
| Pair(s) | PE - Polyethylene (Foam) | 0.013 in (0.33 mm) | 0.049 in (1.2 mm)        | Western Electric Standard |

## Outer Shield

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

#### Outer Jacket

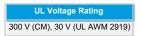
| Material                          | Nom. Thickness     | Nom. Diameter      |
|-----------------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride          | 0.035 in (0.89 mm) | 0.294 in (7.47 mm) |
| Overall Cable Diameter (Nominal): | 0.294 in (7.4      | 7 mm)              |

# **Electrical Characteristics**

## Electricals

| Ele | ement  | Nom. Conductor<br>DCR | Nom. Capacitance<br>Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic<br>Impedence | Nom. Velocity of<br>Prop. | Max. Current                   |
|-----|--------|-----------------------|----------------------------------|---|----------------------------------|---------------------------|--------------------------------|
| Pa  | air(s) | 24 Ohm/1000ft         | 13 pF/ft (43 pF/m)               | 22 pF/ft (72 pF/m)                              | 100 Ohm                          | 78%                       | 1.8 Amps per Conductor at 25°C |

# Voltage



# **Mechanical Characteristics**

# Temperature

| <b>UL Temperature</b> | Operating      |
|-----------------------|----------------|
| 80°C                  | -20°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: | 39 lbs/1000ft  |

### **Standards and Compliance**

| Environmental Suitability:        | Indoor (Not Riser or Plenum), Indoor   |
|-----------------------------------|--|
| Flammability / Reaction to Fire:  | UL 1685 FT4 Loading  |
| NEC / UL Compliance:              | Article 800, CM  |
| AWM Compliance:                   | AWM 2919   |
| CEC / C(UL) Compliance:           | CM   |
| European Directive<br>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)  |

### **Product Notes**

| Notes: | Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low distortion data handling. Physical properties include good crush resistance and light weight. |
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|--------|--|

### History

| Update and Revision: | Revision Number: 0.458 Revision Date: 05-05-2023 |
|----------------------|--|

### **Part Numbers**

#### Variants

| Item #        | Color  | UPC          |
|---------------|--------|--------------|
| 1422A 0601000 | Chrome | 612825115038 |
| 1422A 060500  | Chrome | 612825115045 |

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