

# Product: 9184

Audio, Control & Instrument, #22-2pr, FPO, O/A Foil, PVC Jkt, CM

## Product Description

Audio, Control & Instrument Cable, 22 AWG solid tinned copper conductors, Datalene® insulation, twisted pairs, Duofoil® shield (100% coverage), 22 AWG stranded tinned copper drain wire, PVC jacket.

## Technical Specifications

### Product Overview

| | |
|---|---|
| Suitable Applications: | low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, …); line level audio; computer communication; panel wiring |

### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Pair(s) | 2 | 22 AWG | Solid | TC - Tinned Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Pair(s) | PE - Polyethylene (Foam) | 0.035 in (0.89 mm) | 0.096 in (2.4 mm) | Black & Yellow, Red & Blue |

**Outer Shield**

| Shield Type | Material | Coverage | Drainwire Type |
|---|---|---|---|
| Tape | Tri-Laminate (Alum+Poly+Alum) | 100% | 22 AWG (7x30) TC |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|---|---|---|---|
| PVC - Polyvinyl Chloride | 0.041 in (1.0 mm) | 0.400 in | Yes |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.400 in |

### Electrical Characteristics

**Electricals**

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Nom. Velocity of Prop. | Max. Current |
|---|---|---|---|---|---|
| 20.6 Ohm/1000ft | 8.7 pF/ft (29 pF/m) | 14.1 pF/ft (46.3 pF/m) | 150 Ohm | 78% | 4.8 Amps per Conductor at 30ºC |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V |

### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 60°C | -20°C to +75°C |

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 4 in (100 mm) | 4 in |

| | |
|---|---|
| Max. Pull Tension: | 40 lbs (18 kg) |
| Bulk Cable Weight: | 63 lbs/1000ft |

## Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor |
| Flammability / Reaction to Fire: | UL1685 UL Loading, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 800, CM |
| AWM Compliance: | AWM 2668 |
| CEC / C(UL) Compliance: | CM |
| 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: 0.394 Revision Date: 12-22-2023 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---|---|---|---|---|---|
| 9184 010500 | Black | Reel | 500 ft | 612825225157 | C |
| 9184 0101000 | Black | Reel | 1,000 ft | 612825225140 | C |

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