



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 30°C |

| 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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