



Product: [82723](#) 

Audio, Control & Instrument, #22-2pr, FEP, Indiv. Foil, LS-PVC Jkt, CMP

Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductors, FEP insulation, twisted pairs, individually shielded with Beldfoil® (100% coverage), 22 AWG stranded tinned copper drain wire, Flamarrest® jacket, plenum rated.

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | indoor plenum applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; voice communications; panel wiring |
|------------------------|---|

Construction Details

Conductor

| Element | Number of Element | AWG | Stranding | Material |
|---------|-------------------|-----|-----------|--------------------|
| Pair(s) | 2 | 22 | 7x30 | TC - Tinned Copper |

Insulation

| Element | Material | Thickness [in] | Color Code |
|---------|--------------------------------------|----------------|----------------------------|
| Pair(s) | FEP - Fluorinated Ethylene Propylene | 0.006 | Black & Red, Green & White |

Inner Shield Material

| Element | Type | Material | Coverage | Drain Type | Notes |
|---------|------|-------------|----------|------------------|-----------|
| Pair(s) | Tape | Alum / Poly | 100% | 24 AWG (7x32) TC | each pair |

Outer Shield Material

| Drainwire AWG |
|---------------|
| 22 |

Outer Jacket Material

| Material | Thickness | Diameter |
|---|-----------|----------|
| PVC-LS - Polyvinyl Chloride (Low Smoke) | 0.017 in | 0.153 in |

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Inner Shield DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Characteristic Impedence | Nom. Velocity of Prop. | Max. Current |
|---------|--------------------|-----------------------|-------------------------------|---|--------------------------|------------------------|---------------------------------|
| Pair(s) | 14.7 Ohm/1000ft | 15 Ohm/1000ft | 43 pF/ft | 75 pF/ft | 36 Ohm | 62% | 2.3 Amps per conductor @ 25°C A |

Voltage

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

Mechanical Characteristics

Temperature

| Operating |
|----------------|
| -20°C to +90°C |

Bend Radius

| |
|-----------------|
| Stationary Min. |
| 1.75 in |

| | |
|--------------------|---------------|
| Max. Pull Tension: | 46 lbs |
| Bulk Cable Weight: | 19 lbs/1000ft |

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor |
| Flammability / Fire Resistance: | NFPA 262 Plenum Flame Test (UL910), FT6, IEC 60332-1-2 |
| NEC / UL Compliance: | Article 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| CPR Euroclass: | Eca |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

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| Update and Revision: | Revision Number: 0.327 Revision Date: 06-05-2020 |
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