



Product: [88723](#)



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

Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductors, FEP insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded (7x32) tinned copper drain wire, FEP jacket.

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | extreme high/low temperature environments; chemical resistant; outdoor and burial 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 | No. of Elements | Size | Stranding | Material |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 2 | 22 AWG | 7x30 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--------------------------------------|--------------------|--------------------------|----------------------------|
| Pair(s) | FEP - Fluorinated Ethylene Propylene | 0.007 in (0.18 mm) | 0.042 in (1.1 mm) | Black & Red, Green & White |

Inner Shield

| Element | Shield Type | Material | Coverage | Drainwire Type | Notes |
|---------|-------------|-------------------------|----------|------------------|-----------|
| Pair(s) | Tape | Bi-Laminate (Alum+Poly) | 100% | 24 AWG (7x32) TC | each pair |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------------------|--------------------|------------------|
| FEP - Fluorinated Ethylene Propylene | 0.015 in (0.38 mm) | 0.15 in (3.8 mm) |

| | |
|-----------------------------------|------------------|
| Overall Cable Diameter (Nominal): | 0.15 in (3.8 mm) |
|-----------------------------------|------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Inner Shield DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Nom. Velocity of Prop. | Max. Current |
|---------|--------------------|---------------------------------|-------------------------------|---|-------------------------------|------------------------|--------------------------------|
| Pair(s) | 18.2 Ohm/1000ft | 17.42 Ohm/1000ft (57.15 Ohm/km) | 35 pF/ft (110 pF/m) | 67 pF/ft (220 pF/m) | 40 Ohm | 69% | 2.8 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|-----------------|
| 150°C | -70°C to +200°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.5 in (38 mm) | 1.5 in (38 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 42 lbs (19 kg) |
| Bulk Cable Weight: | 19 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor, Sunlight Resistance, UV Resistance, Oil Resistance |
| Flammability / Reaction to Fire: | NFPA 262 (UL910), FT6, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca; CPR UKCA Class: Eca |
| NEC / UL Compliance: | Article 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, REACH, 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) |
| Non-Plenum Number: | 8723 |

Product Notes

| | |
|--------|--------------------------------------|
| Notes: | Non.conduit. Gas/vapor-tight jacket. |
|--------|--------------------------------------|

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.551 Revision Date: 12-22-2023 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|---------------|-------|--------------|----------|
| 88723 002100 | Red | 612825217169 | C |
| 88723 0021000 | Red | 612825217176 | C |
| 88723 002500 | Red | 612825217183 | C |
| 88723 0025000 | Red | 612825217190 | |

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