



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

Insulation

| Element | Material                             | Nom. Thickness     | Color Code                 |
|---------|--------------------------------------|--------------------|----------------------------|
| Pair(s) | FEP - Fluorinated Ethylene Propylene | 0.007 in (0.18 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 | 0.014 in (0.36 mm) | 0.148 in (3.76 mm) |

Cable Diameter (Nominal): 0.148 in (3.76 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) | 14.7 Ohm/1000ft (48.2 Ohm/km) | 15 Ohm/1000ft (49 Ohm/km) | 35 pF/ft (110 pF/m)           | 67 pF/ft (220 pF/m)                             | 40 Ohm                        | 69%                    | 2.3 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| Operating       |
|-----------------|
| -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 (28 kg/km) |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                       |
| Flammability / Reaction to Fire: | NFPA 262 Plenum Flame Test (UL910), FT6, IEC 60332-1-2                       |
| CPR Compliance:                  | CPR Euroclass: Eca                                                           |
| NEC / UL Compliance:             | Article 800, CMP                                                             |
| CEC / C(UL) Compliance:          | CMP                                                                          |
| European Directive 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)                                              |
| Non-Plenum Number:               | 8723                                                                         |

Product Notes

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.376 Revision Date: 10-13-2021 |
|----------------------|--------------------------------------------------|

Variants

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

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