



Product: [82777](#)

Audio, Control & Instrument, #22-3pr, FEP, Individ. Foil, LS-PVC Jkt, CMP

Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductor, FEP insulation, twisted pairs individually shielded with Beldfoil® (100% coverage), overall jacket per table below, 22 AWG stranded tinned copper drain wire.

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

| Element | No. of Elements | Size | Stranding | Material           |
|---------|-----------------|------|-----------|--------------------|
| Pair(s) | 3               | 22   | 7x30      | TC - Tinned Copper |

| Material                             | Nom. Thickness     | Nom. Insulation Diameter | Color Code                                |
|--------------------------------------|--------------------|--------------------------|-------------------------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.011 in (0.28 mm) | 0.050 in (1.3 mm)        | Black & Red, Black & White, Black & Green |

| Shield Type | Material                | Coverage | Drainwire Type    |
|-------------|-------------------------|----------|-------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 22 AWG (19x34) TC |

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.237 in (6.02 mm) |

Electrical Characteristics

| Nom. Conductor DCR | Max. 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                    |
|--------------------|----------------------------|---------------------------------|-------------------------------|-------------------------------------------------|-------------------------------|------------------------|---------------------------------|
| 18.2 Ohm/1000ft    | 160 Ohm/km (49 Ohm/1000ft) | 10.46 Ohm/1000ft (34.32 Ohm/km) | 35 pF/ft (110 pF/m)           | 76 pF/ft (250 pF/m)                             | 46 Ohm                        | 62%                    | 1.96 Amps per Conductor at 25°C |

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

Mechanical Characteristics

| UL Temperature | Operating    |
|----------------|--------------|
| 90°C           | 0°C To +90°C |

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 2.37 in (60.2 mm) | 2.37 in (60.2 mm) |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 64.1 lbs (29.1 kg) |
| Bulk Cable Weight: | 36 lbs/1000ft      |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Flammability / Reaction to Fire: | NFPA 262 (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) |
| UK Regulation Compliance:        | UKCA Mark                                                                    |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                              |
| Non-Plenum Number:               | 8777                                                                         |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.459 Revision Date: 12-22-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #         | Color   | UPC          | Footnote |
|----------------|---------|--------------|----------|
| 82777 8771000  | Natural | 612825197829 | C        |
| 82777 877U1000 | Natural | 612825197805 |          |
| 82777 877U500  | Natural | 612825197812 |          |

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