



Product: [9886](#)

Audio, Control & Instrument, #20-6pr, PO, Individ. Foil, HDPE Jkt, Direct Burial

Product Description

Audio, Control & Instrument Cable, 20 AWG stranded (10x30) tinned copper conductors, polypropylene insulation, 6 twisted pairs, individually shielded with Beldfoil® (100% coverage), 22 AWG stranded tinned copper drain wire, high-density polyethylene 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) | 6 | 20 AWG | 10x30 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--------------------|--------------------|--------------------------|--|
| Pair(s) | PP - Polypropylene | 0.013 in (0.33 mm) | 0.063 in (1.6 mm) | Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown |

Inner Shield

| Element | Shield Type | Material | Coverage | Drainwire Type | Notes |
|---------|-------------|-------------------------|----------|-------------------|-----------|
| Pair(s) | Tape | Bi-Laminate (Alum+Poly) | 100% | 22 AWG (19x34) TC | each pair |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|-------------------|-------------------|--------------------|
| PE - Polyethylene | 0.045 in (1.1 mm) | 0.455 in (11.6 mm) |

| | |
|-----------------------------------|--------------------|
| Table Notes: | HDPE |
| Overall Cable Diameter (Nominal): | 0.455 in (11.6 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) | 11.3 Ohm/1000ft | 11 Ohm/1000ft (36 Ohm/km) | 30 pF/ft (98 pF/m) | 55 pF/ft (180 pF/m) | 50 Ohm | 66% | 2.7 Amps per Conductor at 25°C |

Voltage

| Voltage Rating |
|----------------|
| 350 V |

Mechanical Characteristics

Temperature

| Operating |
|----------------|
| -40°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 4.6 in (120 mm) | 4.6 in (120 mm) |

| | |
|--------------------|-------------------|
| Max. Pull Tension: | 213 lbs (96.6 kg) |
| Bulk Cable Weight: | 97 lbs/1000ft |

Standards and Compliance

| | |
|--------------------------------|--|
| Environmental Suitability: | Indoor, Outdoor, Burial |
| 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) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.489 Revision Date: 02-03-2025 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|--------------|-------|--------------|----------|
| 9886 0101000 | Black | 612825260004 | C |
| 9886 010500 | Black | 612825260011 | C |

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