



**Product:** [9883](#)

Audio, Control & Instrument, #20-3pr, PO, Individ. Foil, HDPE Jkt, Direct Burial

### Product Description

Audio, Control & Instrument Cable, 20 AWG stranded (10x30) tinned copper conductors, polypropylene insulation, 3 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
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#### Construction Details

##### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	3	20 AWG	10x30	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PP - Polypropylene	0.013 in (0.33 mm)	Black & Red, Black & White, Black & Green

##### 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	0.040 in (1.0 mm)	0.340 in (8.64 mm)

Table Notes:	HDPE
Overall Cable Diameter (Nominal):	0.340 in (8.64 mm)

#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	10.8 Ohm/1000ft (35.4 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.
3.4 in (86 mm)	3.4 in (86 mm)

Max. Pull Tension:	106 lbs
Bulk Cable Weight:	50 lbs/1000ft (74 kg/km)

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Burial
CPR Compliance:	CPR Euroclass: Fca
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: 0.387 Revision Date: 12-15-2021
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## Variants

Item #	Color	UPC
9883 0101000	Black	612825259978
9883 010500	Black	612825259985

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