

Product: 9886

Audio, Control & Instrument, #20-6pr, PO, Indiv. 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 25ºC

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: 0.488 Revision Date: 12-22-2023

Part Numbers

Variants

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

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