



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, 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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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
20	10x30	TC - Tinned Copper	3

Conductor Count:	6
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Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.013 in

Color Chart

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	22	16x34

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PE - Polyethylene	0.34 in	0.04 in

OuterJacket1, Table Note:	HDPE
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Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
11.2 Ohm/1000ft	10.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	55 pF/ft

Inductance

Nominal Inductance

0.2 µH/ft

Impedance

Nominal Characteristic Impedance

50 Ohm

Delay

Max. Delay Skew | Nominal Velocity of Propagation (VP) [%]

66 ns/100m

66 %

Current

Max. Recommended Current [A]

2.7 Amps per conductor @ 25°C A

Power Rating

Frequency [MHz]

20 MHz

Voltage

Non-UL Voltage Rating

350 V RMS

Temperature Range

Operating Temp Range: -40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight: 50 lbs/1000ft

Max Recommended Pulling Tension: 78 lbs

Min Bend Radius/Minor Axis: 3.5 in

Connector/Hardware Retention: 20 lbs

Standards

CPR Euroclass: Fca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2004-01-01

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Burial: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

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

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.317 Revision Date: 04-28-2020

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