



Product: [9803](#)

Electronic, 3 C #20 Sol TC, PO Ins, OS, PO Jkt

[Request Sample](#)

Product Description

Electronic, 3 Conductor 20AWG (Solid) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PO Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:	direct burial applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
20	Solid	TC - Tinned Copper	3

Conductor Count:	3
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Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.013 in

Color Chart

Number	Color
1	White
2	Black
3	Red

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22	Solid

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PE - Polyethylene	0.205 in	0.035 in

Table Notes:	HDPE
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Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
10.5 Ohm/1000ft	12 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
23 pF/ft	42 pF/ft

Current

Max. Recommended Current [A]
3.9 Amps per Conductor at 25°C

Voltage

Non-UL Voltage Rating

350 V RMS

Temperature Range

Operating Temperature Range: -40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight: 23 lbs/1000ft

Max. Pull Tension: 37.2 lbs

Min. Bend Radius/Minor Axis: 2.25 in

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 2): Yes

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

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

EU CE Mark: Yes

MII Order #39 (China RoHS): Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Related Part Numbers

Variants

Item #	Color	UPC
9803 0101000	Black	612825258735

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.392 Revision Date: 05-05-2023

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