



Product: [9802](#)

Electronic, 2 C #20 Sol TC, PO Ins, OS, PO Jkt

[Request Sample](#)

Product Description

Electronic, 2 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	2

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.013 in

Color Chart

Number	Color
1	White
2	Black

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	0.19 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
31.6 pF/ft	42 pF/ft

Inductance

Nominal Inductance
0.18 µH/ft

Impedance

Nominal Characteristic Impedance
54 Ohm

Current

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

Voltage

Non-UL Voltage Rating
350 V RMS

Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	18 lbs/1000ft
Max. Pull Tension:	24.8 lbs
Min. Bend Radius/Minor Axis:	2 in

Standards

CPR Euroclass:	Fca
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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
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Part Number

Variants

Item #	Color	UPC
9802 0101000	Black	612825258711
9802 010500	Black	612825258728

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.393 Revision Date: 08-27-2021
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