



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

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

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
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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
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Related Part Numbers

Variants

Item #	Color	UPC
9803 0101000	Black	612825258735

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.393 Revision Date: 02-03-2025
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