



Product: [9890](#)

Electronic, 10 C #20 Sol TC, PO Ins, OS, PO Jkt

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Product Description

Electronic, 10 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	10

Conductor Count:	10
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Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.013 in

Color Chart

Color
Black
White
Red
Green
Brown
Blue
Orange
Yellow
Purple
Gray

Outer 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	Solid

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PE - Polyethylene	0.31 in	0.04 in

Table Notes:	HDPE
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Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
10.5 Ohm/1000ft	11 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]
2.7 Amps per Conductor at 25°C

Voltage

Non-UL Voltage Rating
350 V RMS

Temperature Range

Operating Temp Range:	-40°C To +80°C
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Mechanical Characteristics

Bulk Cable Weight:	60 lbs/1000ft
Max. Pull Tension:	124 lbs
Min Bend Radius/Minor Axis:	3.25 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 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

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC
9890 0101000	Black	612825260042
9890 010500	Black	612825260059

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.306 Revision Date: 06-24-2020
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