



Product: [9890](#)

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

Request Sample

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
------------------------	---

Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Conductors
20	Solid	TC - Tinned Copper	10
Conductor Count:			10

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						
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	0.31 in	0.04 in

Table Notes:	HDPE
--------------	------

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
-----------------------	----------------

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 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
---------------	----

Part Number

Variants

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

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

History

Update and Revision:	Revision Number: 0.381 Revision Date: 08-27-2021
----------------------	--

© 2021 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.