



Product: [8643](#)

Electronic, 3 C #30 Str TC, PP Ins, OA TC Brd, PVC Jkt

[Request Sample](#)

Product Description
Electronic, 3 Conductor 30AWG (7x38) Tinned Copper, PP Insulation, Overall Tinned Copper Braid(95%) Shield, PVC Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring
------------------------	---

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	30 AWG	7x38	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PP - Polypropylene	0.006 in (0.15 mm)	Black, Red, White

Outer Shield

Shield Type	Material	Coverage	Notes
Braid	Tinned Copper (TC)	95%	Paper Tape Separator

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Paper Tape	PVC - Polyvinyl Chloride	0.014 in (0.36 mm)	0.096 in (2.4 mm)

Overall Cable Diameter (Nominal):	0.096 in (2.4 mm)
-----------------------------------	-------------------

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	98.5 Ohm/1000ft (323 Ohm/km)	25 pF/ft (82 pF/m)	43 pF/ft (140 pF/m)	0.9 Amps per Conductor at 25°C

Voltage

Voltage Rating
200 V

Mechanical Characteristics

Temperature

Operating
-20°C to +105°C

Bend Radius

Stationary Min.	Installation Min.
1.0 in (25 mm)	1.0 in (25 mm)

Max. Pull Tension:	22.5 lbs (10.2 kg)
Bulk Cable Weight:	8 lbs/1000ft (12 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
CPR Compliance:	CPR Euroclass: Eca
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Conductors cabled around textile strength member
--------	--

History

Update and Revision:	Revision Number: 0.369 Revision Date: 05-05-2023
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8643 060100	Chrome	Reel	100 ft	612825213826
8643 060250	Chrome	Reel	250 ft	612825213833

© 2024 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[8643 060100](#) [8643 060250](#)