


Product: [8762](#)

Electronic, 2 C #20 Str TC, PE Ins, OS, PVC Jkt, CM

[Request Sample](#)
Product Description

Electronic, 2 Conductor 20AWG (7x28) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM, Suitable for Audio, Control, and Instrumentation Applications

Technical Specifications
Product Overview

Suitable Applications:	low voltage analog signals (4-20mA, 0-10V, ...); low voltage digital control (24V, ...); line level audio; computer communication; panel wiring
------------------------	---

Construction Details
Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene	0.017 in (0.43 mm)	0.070 in (1.8 mm)	Black, Clear

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.028 in (0.71 mm)	0.204 in (5.18 mm)

Overall Cable Diameter (Nominal): 0.204 in (5.18 mm)

Electrical Characteristics
Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Inductance	Max. Current
Pair(s)	11.3 Ohm/1000ft	27 pF/ft (89 pF/m)	49 pF/ft (160 pF/m)	56 Ohm	0.18 μ H/ft (0.59 μ H/m)	8 Amps per Conductor at 30°C

Nom Outer Shield DCR@Cond DCR1-cnv: 8.49 Ohm/1000ft (27.9 Ohm/km)

Voltage

UL Voltage Rating
300 V (CM), 300 V (UL AWM 2092)

Mechanical Characteristics
Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
2.0 in (51 mm)	2.0 in (51 mm)

Max. Pull Tension:	38 lbs (17 kg)
Bulk Cable Weight:	21 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1685 UL loading , IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2092
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.538 Revision Date: 09-07-2025
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
8762 060100	Chrome	Reel	100 ft	612825215363	
8762.00U152	Chrome	UnReel	152 m	8719605019059	
8762.01152	Chrome	Reel	152 m	8719605019073	
8762 060250	Chrome	Reel	250 ft	612825215400	
8762.00U305	Chrome	UnReel	305 m	8719605019066	
8762.01305	Chrome	Reel	305 m	8719605019080	
8762 060500	Chrome	Reel	500 ft	612825215417	C
8762 060U500	Chrome	UnReel	500 ft	612825215356	
8762.01610	Chrome	Reel	610 m	8719605019097	
8762 0601000	Chrome	Reel	1,000 ft	612825215370	C
8762 060U1000	Chrome	UnReel	1,000 ft	612825215349	
8762 0602000	Chrome	Reel	2,000 ft	612825215394	C
8762 06010000	Chrome	Reel	10,000 ft	612825215387	C Y

Footnote: C - CRATE REEL PUT-UP., Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

© 2025 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.