



Product: [8761](#)

Electronic, 2 C #22 Str TC, PO Ins, OS, PVC Jkt, CM

[Request Sample](#)

Product Description

Electronic, 2 Conductor 22AWG (7x30) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

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
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	22	7x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	PE - Polyethylene	0.017 in

Color Chart

Number	Color
1	Black
	Clear

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	Stranded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.175 in	0.025 in

Construction and Dimensions

Cabling

Lay Direction	Twists
Left Hand	6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
16 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield

24 pF/ft	47 pF/ft
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Inductance

Nominal Inductance
0.2 µH/ft

Impedance

Nominal Characteristic Impedance
64 Ohm

Current

Element	Max. Recommended Current [A]
10C temperature rise	2.9 Amps per conductor @ 25°C ambient

Voltage

UL Description	UL Voltage Rating
CM	300 V
UL AWM 2092)	300 V

Temperature Range

UL Temp Rating:	60°C (UL AWM 2092)
Operating Temp Range:	-20°C to +60°C

Mechanical Characteristics

Bulk Cable Weight:	16 lbs/1000ft
Max Recommended Pulling Tension:	27 lbs
Min Bend Radius/Minor Axis:	1.75 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
UL AWM Style:	2092
CPR Euroclass:	Eca

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 2015/863/EU:	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

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT1
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	88761, 87761, 82761

Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
8761.00U152	Chrome	UnReel	152 m	8719605018946
8761.01152	Chrome	Reel	152 m	8719605018960
8761.00U305	Chrome	UnReel	305 m	8719605018953
8761.01305	Chrome	Reel	305 m	8719605018977
8761 060500	Chrome	Reel	500 ft	612825215301
8761 060U500	Chrome	UnReel	500 ft	612825215240
8761.01610	Chrome	Reel	610 m	8719605018984
8761 0601000	Chrome	Reel	1,000 ft	612825215257
8761 060U1000	Chrome	UnReel	1,000 ft	612825215233
8761 0602000	Chrome	Reel	2,000 ft	612825215295
8761 0605000	Chrome	Reel	5,000 ft	612825215318
8761 06010000	Chrome	Reel	10,000 ft	612825215264
8761 06015000	Chrome	Reel	15,000 ft	612825215288

Footnote: C - CRATE REEL PUT-UP.

Footnote: 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'.

History

Update and Revision: Revision Number: 0.314 Revision Date: 05-19-2020

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