



Product: [8641](#) 

Electronic, 2 C #24 Str TC, PO Ins, OS, PVC Jkt, CM

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Product Description

Electronic, 2 Conductor 24AWG (7x32) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
24	7x32	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.0165 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	24	7x32

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.168 in	0.025 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
25 Ohm/1000ft	14.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
22 pF/ft	42 pF/ft

Inductance

Nominal Inductance
0.22 µH/ft

Impedance

Nominal Characteristic Impedance
80 Ohm

Current

Max. Recommended Current [A]
2.2 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V RMS (UL AWM Style 2092)

Temperature Range

UL Temp Rating:	60°C (UL AWM Style 2092)
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	12 lbs/1000ft
Max Recommended Pulling Tension:	11 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:	UL Style 2092 (300 V 60°C)
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

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT1
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS (UL AWM Style 2092)

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	88641, 82641

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8641 060100	Chrome	Reel	100 ft	612825213765
8641 0601000	Chrome	Reel	1,000 ft	612825213772
8641 060500	Chrome	Reel	500 ft	612825213789
8641 0605000	Chrome	Reel	5,000 ft	612825213796
8641 060U1000	Chrome	UnReel	1,000 ft	612825213741
8641 060U500	Chrome	UnReel	500 ft	612825213758

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.295 Revision Date: 04-08-2020
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