



Product: [82641](#)

Electronic, 2 C #24 Str TC, FEP Ins, OS, PVC Jkt, CMP

Product Description

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

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
FEP - Fluorinated Ethylene Propylene	0.006 in

Color Chart

Number	Color
1	Black & Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	24	7x32 mm

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.106 in	0.014 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
24.1 Ohm/1000ft	17 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
31 pF/ft	59 pF/ft

Inductance

Nominal Inductance
0.17 µH/ft

Current

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

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

Operating Temp Range: 0°C To +60°C

Mechanical Characteristics

Bulk Cable Weight: 8 lbs/1000ft

Max Recommended Pulling Tension: 16 lbs

Min Bend Radius/Minor Axis: 1.25 in

Standards

NEC Articles: 800

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

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): 2005-04-01

MII Order #39 (China RoHS): Yes

Flammability, LSOH, Toxicity Testing

UL Flammability: NFPA 262

CSA Flammability: FT6

ISO/IEC Flammability: IEC 60332-1-2

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): Yes

Plenum Number: 88641

Part Number

Non-Plenum Number: 8641

Variants

Item #	Color	UPC	Length	Footnote
82641 8771000	Natural	612825197508	1,000 ft	C
82641 877U1000	Natural	612825197492	1,000 ft	

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.302 Revision Date: 12-19-2019

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