

Part Number: 82641

Audio/Control/Instrumentation, (1 pr) 24 AWG (7x32)
TC, FEP/LS PVC, Foil Shld, CMP

Product Description

One 24 AWG pair stranded (7x32) tinned copper conductors, twisted pair, Teflon® (FEP) insulation, overall Beldfoil shield (100% coverage), Flamarrest® jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
24	7x32	TC - Tinned Copper	1
Total Number of Conductors:			2

Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.006 in

Color Chart 1:

Number	Color
1	Black & Red

Outershield 1:

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

Outerjacket 1:

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

Current:

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

Inductance:

Nominal Inductance
0.17 µH/ft

Voltage:

UL Voltage Rating
300 V RMS

Use

Max Recommended Pulling Tension:	16 lbs
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Safety

CSA Flammability:	FT6
UL Flammability:	NFPA 262

Temperature Range

Operating Temp Range:	0°C To +60°C
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.25 in
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Part Number

Plenum (Y/N):	Yes
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Plenum Number:	88641
Non-Plenum Number:	8641

Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Product Variants

Part Number	Color	Put-Up Type	Length
82641 8771000	NATURAL	Reel	1000 ft
82641 877U1000	NATURAL	UnReel	1000 ft

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