

Part Number: 85102

Electronic, 2 C #16 Str TC, ETFE Ins, ETFE Jkt

Request Sample

Product Description

High Temperature Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, ETFE Insulation, ETFE Outer Jacket

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
16	19x29	TC - Tinned Copper	2

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Material Trade Name	Nominal Wall Thickness
ETFE - Ethylene Tetrafluoroethylene	Tefzel®	0.0135 in

Color Chart

Number	Color
1	Black
2	White

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
ETFE - Ethylene Tetrafluoroethylene	Tefzel®	0.211 in	0.019 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.76 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
20 pF/ft

Inductance

Nominal Inductance
0.17 µH/ft

Current

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

Voltage

Non-UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	150°C
Operating Temp Range:	-60°C To +150°C

Mechanical Characteristics

Bulk Cable Weight:	28 lbs/1000ft
Max Recommended Pulling Tension:	61 lbs
Min Bend Radius/Minor Axis:	2.25 in

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	VW-1

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	UPC	Length	Footnote
85102 3681000	Clear, Transparent	612825210580	1,000 ft	C
85102 368500	Clear, Transparent	612825210597	500 ft	C

Footnote:	C - CRATE REEL PUT-UP.

Product Notes

Notes:	Tefzel is a trademark of Dupont.

History

Update and Revision:	Revision Number: 0.276 Revision Date: 08-22-2019

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