



Part Number: 85241

Control/Instrumentation, (3) 16 AWG (19x29) TC, ETFE/ETFE, Alum Foil Shld

Product Description

Three 16 AWG stranded (19x29) tinned copper conductors, Tefzel® (ETFE) insulation, overall Aluminum-Kapton® shield (100% coverage), Tefzel® (ETFE) jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors
16	19x29	TC - Tinned Copper	3
Total Number of Conductors:			3

Insulation:

Material	Material Trade Name	Nominal Wall Thickness
ETFE - Ethylene Tetrafluoroethylene	Tefzel®	0.014 in

Color Chart 1:

Number	Color
1	Black
2	Red
3	Green

Outershield 1:

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum-Kapton® Foil	100 %	TC - Tinned Copper	18	Stranded mm

Outerjacket 1:

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
ETFE - Ethylene Tetrafluoroethylene	Tefzel®	0.225 in	0.02 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
4.27 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
34 pF/ft	61.2 pF/ft

Current:

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

Voltage:

Non-UL Voltage Rating
300 V RMS

Use

Max Recommended Pulling Tension:	90 lbs
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Safety

UL Flammability:	VW-1
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Temperature Range

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

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.25 in
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Part Number

Plenum (Y/N):	No
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Standards

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

History

Notes:	Tefzel and Kapton are DuPont trademarks.
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Product Variants

Part Number	Color	Put-Up Type	Length
85241 3681000	CLEAR, TRANSPARENT	Reel	1000 ft

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