



Part Number: 85240

Control/Instrumentation, (3) 20 AWG (7x28) TC, ETFE/ETFE, Alum Foil Shld

Product Description

Three 20 AWG stranded (7x28) tinned copper conductors, Tefzel® (ETFE) insulation, overall Aluminum-Kapton® Shield (100% coverage), Tefzel® (ETFE) jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
20	7x28	TC - Tinned Copper	3

Conductor Count:	3
AWG Size:	20

Insulation

Material	Material Trade Name	Nominal Wall Thickness
ETFE - Ethylene Tetrafluoroethylene	Tefzel®	0.015 in

Color Chart

Number	Color
1	Black
2	Red
3	Green

Outer Shield Material

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum-Kapton® Foil	100 %	TC - Tinned Copper	22	Stranded mm

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
ETFE - Ethylene Tetrafluoroethylene	Tefzel®	0.193 in	0.02 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
9.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
26.5 pF/ft	47.7 pF/ft

Current

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

Voltage

Non-UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	27 lbs/1000ft
Max Recommended Pulling Tension:	42 lbs
Min Bend Radius/Minor Axis:	2 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, LSOH, Toxicity Testing

UL Flammability:	VW-1
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Part Number

Plenum (Y/N):	No
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Variants

Item #	Color	Footnote
85240 3681000	CLEAR, TRANSPARENT	C

Footnote:	C - CRATE REEL PUT-UP.
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Product Notes

Notes:	Tefzel and Kapton are DuPont trademarks.
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