



Product: [85240](#)

Electronic, 3 C #20 Str TC, ETFE Ins, OS, ETFE Jkt

[Request Sample](#)

Product Description

High Temperature Electronic, 3 Conductor 20AWG (7x28) Tinned Copper, ETFE Insulation, Overall Beldfoil® Shield, ETFE Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:	extreme high/low temperature environments; chemical resistant; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); instrumentation
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	20	7x28	TC - Tinned Copper	3

Conductor Count: 3

Insulation

Element	Material	Material Trade Name	Nominal Wall Thickness
Conductor(s)	ETFE - Ethylene Tetrafluoroethylene	Tefzel®	0.0150 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	Alum / Kapton®	100 %	TC - Tinned Copper	22	Stranded

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
ETFE - Ethylene Tetrafluoroethylene	Tefzel®	0.193 in	0.020 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

350 V

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:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
85240 3681000	Clear, Transparent	Reel	1,000 ft	612825212409

Footnote: C - CRATE REEL PUT-UP.

Product Notes

Notes:	Tefzel and Kapton are DuPont trademarks.
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History

Update and Revision:	Revision Number: 0.295 Revision Date: 05-19-2020
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