



**Product:** [85240](#)

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

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**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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**Construction Details**

**Conductor**

Element	Number of Element	Size	Stranding	Material
Conductor(s)	3	20 AWG	7x28	TC - Tinned Copper

**Insulation**

Element	Material	Nom. Thickness	Color Code
Conductor(s)	ETFE - Ethylene Tetrafluoroethylene	0.015 in (0.38 mm)	Black, Red, Green

**Outer Shield**

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Kapton®)	100%	22 AWG (7x30) TC

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter
ETFE - Ethylene Tetrafluoroethylene	0.020 in (0.51 mm)	0.193 in (4.90 mm)

Overall Cable Diameter (Nominal): 0.193 in (4.90 mm)

**Electrical Characteristics**

**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	9.5 Ohm/1000ft (31 Ohm/km)	26.5 pF/ft (86.9 pF/m)	47.7 pF/ft (156 pF/m)	4 Amps per Conductor at 25°C

**Voltage**

Voltage Rating
350 V

**Mechanical Characteristics**

**Temperature**

UL Temperature	Operating
150°C	-60°C to +150°C

**Bend Radius**

Stationary Min.	Installation Min.
1.9 in (48 mm)	1.9 in (48 mm)

Max. Pull Tension: 47 lbs

Bulk Cable Weight:	27 lbs/1000ft (40 kg/km)
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## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## Product Notes

Notes:	Tefzel and Kapton are DuPont trademarks.
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## History

Update and Revision:	Revision Number: 0.355 Revision Date: 12-15-2021
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## Variants

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

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