



**Product:** [85164](#)

Electronic, 4 Pr #20 Str TC, ETFE Ins, OS, ETFE Jkt

[Request Sample](#)

**Product Description**

High Temperature Electronic, 4 Pair 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
Pair(s)	4	20	7x28	TC - Tinned Copper

**Insulation**

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
ETFE - Ethylene Tetrafluoroethylene	0.015 in (0.38 mm)	0.068 in (1.7 mm)	Black & Red, Black & White, Black & Green, Black & Blue

**Outer Shield**

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

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter
ETFE - Ethylene Tetrafluoroethylene	0.025 in (0.64 mm)	0.344 in

**Electrical Characteristics**

**Electricals**

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
10.92 Ohm/1000ft	23 pF/ft (75 pF/m)	40 pF/ft (130 pF/m)	73 Ohm	6.4 Amps per Conductor at 25°C

**Voltage**

Voltage Rating
300 V

**Mechanical Characteristics**

**Temperature**

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

**Bend Radius**

Stationary Min.	Installation Min.
3.44 in (87.4 mm)	3.44 in

Max. Pull Tension:	109.8 lbs
Bulk Cable Weight:	66 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor
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: 0.377 Revision Date: 12-19-2021
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## Variants

Item #	Color	Putup Type	Length	UPC
85164 368100	Clear, Transparent	Reel	100 ft	612825210627
85164 3681000	Clear, Transparent	Reel	1,000 ft	612825210634

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