



**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.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

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

#### Insulation:

Material	Material Trade Name	Nominal Wall Thickness
ETFE - Ethylene Tetrafluoroethylene	Tefzel®	0.015 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	22	Stranded mm

#### Outerjacket 1:

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

Use

Max Recommended Pulling Tension:	42 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 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
85240 3681000	CLEAR, TRANSPARENT	Reel	1000 ft

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