



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 |
|------------------------|---|

Construction Details

Conductor

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

Insulation

| Element | Material | Thickness [in] | Color Code |
|--------------|-------------------------------------|----------------|-------------------|
| Conductor(s) | ETFE - Ethylene Tetrafluoroethylene | 0.0150 | Black, Red, Green |

Outer Shield Material

| Type | Material | Coverage | Drainwire Type |
|------|----------------|----------|------------------|
| Tape | Alum / Kapton® | 100% | 22 AWG (7x30) TC |

Outer Jacket Material

| Material | Thickness | Diameter |
|-------------------------------------|-----------|----------|
| ETFE - Ethylene Tetrafluoroethylene | 0.020 in | 0.193 in |

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 | 26.5 pF/ft | 47.7 pF/ft | 4 Amps per Conductor at 25°C |

Voltage

| Non-UL Voltage Rating |
|-----------------------|
| 350 V |

Mechanical Characteristics

Temperature

| UL Rating | Operating |
|-----------|-----------------|
| 150°C | -60°C to +150°C |

Bend Radius

| Stationary Min. |
|-----------------|
| 2 in |

| | |
|--------------------|---------------|
| Max. Pull Tension: | 42 lbs |
| Bulk Cable Weight: | 27 lbs/1000ft |

Standards and Compliance

| | |
|---------------------------------|---|
| Sustainability: | CA Prop 65 |
| Flammability / Fire Resistance: | VW-1 |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), 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

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| Update and Revision: | Revision Number: 0.310 Revision Date: 06-09-2020 |
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