




REPRESENTATIVE IMAGE

**Product:** [83509](#) 

Electronic, 9 C #24 Str TC, FEP Ins, OS+TC Brd, FEP Jkt, CMP

 [Request Sample](#)

## Product Description

High Temperature Electronic, 9 Conductor 24AWG (7x32) Tinned Copper, FEP Insulation, Overall Beldfoil®+Tinned Copper Braid(85%) Shield, FEP Outer Jacket, CMP

## Technical Specifications

### Product Overview

Suitable Applications:	extreme high/low temperature environments; chemical resistant; outdoor and burial applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring
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### Construction Details

#### Conductor

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	9	24	7x32	TC - Tinned Copper

#### Insulation

Element	Material	Thickness [in.]	Color Code
Conductor(s)	FEP - Fluorinated Ethylene Propylene	0.006	Black, White, Red, Green, Orange, Blue, White/Black Stripe, Red/Black Stripe, Green/Black Stripe

#### Outer Shield Material

Shield Type	Material	Coverage
Tape + Braid	Alum / Poly + Tinned Copper (TC)	100% + 85%

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.014 in	0.188 in

Cable Diameter (Nominal): 0.188 in

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	24 Ohm/1000ft	20 pF/ft	36 pF/ft	1.4 Amps per Conductor at 25°C

Nom Outer Shield DCR: 5.0 Ohm/1000ft

#### Voltage

UL Voltage Rating
300 V (CMP)

### Mechanical Characteristics

#### Temperature

UL Rating	Operating
150°C	-70°C to +200°C

#### Bend Radius

**Stationary Min.**

2 in

Max. Pull Tension: 55 lbs

Bulk Cable Weight: 34 lbs/1000ft

**Standards and Compliance**

Environmental Suitability: Outdoor, Oil Resistance

Sustainability: CA Prop 65

Flammability / Fire Resistance: NFPA 262, FT6, IEC 60332-1-2

NEC / UL Compliance: Article 800, CMP

CEC / C(UL) Compliance: CMP

CPR Euroclass: Eca

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: Gas Resistant

**History**

Update and Revision: Revision Number: 0.330 Revision Date: 07-28-2020

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