



REPRESENTATIVE IMAGE

**Product:** [83804](#)

Electronic, 4 C #12 Str TC, FEP Ins, OS+TC Brd, Red FEP Jkt, CMP FPLP

[Request Sample](#)

**Product Description**

High Temperature Electronic, 4 Conductor 12AWG (7x20) Tinned Copper, FEP Insulation, Overall Beldfoil®+Tinned Copper Braid(85%) Shield, Red FEP Outer Jacket, CMP FPLP

**Technical Specifications**

**Product Overview**

Suitable Applications:	fire alarms; extreme high/low temperature environments; indoor/outdoor applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...)
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**Construction Details**

**Conductor**

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	4	12	7x20	TC - Tinned Copper

**Insulation**

Element	Material	Thickness	Color Code
Conductor(s)	FEP - Fluorinated Ethylene Propylene	0.016 in	Black, White, Red, Green

**Outer Shield Material**

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

**Outer Jacket Material**

Material	Thickness	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.017 in	0.359 in

Cable Diameter (Nominal):	0.359 in
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**Electrical Characteristics**

**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	1.7 Ohm/1000ft	32 pF/ft	55 pF/ft	20 Amps per Conductor at 25°C

**Voltage**

UL Voltage Rating
300 V (CMP), 300 V (UL AWM 1424)

**Mechanical Characteristics**

**Temperature**

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

**Bend Radius**

Stationary Min.	Installation Min.
3.75 in	3.6 in

Max. Pull Tension:	406 lbs
Bulk Cable Weight:	138 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Oil Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	NFPA 262, FT6
NEC / UL Compliance:	Article 760, Article 800, CMP, FPLP
CEC / C(UL) Compliance:	CMP
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
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## History

Update and Revision:	Revision Number: 0.352 Revision Date: 09-30-2020
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