Product: 83754 ⧉

Electronic, 4 C #14 Str TC, FEP Ins, OS+TC Brd, Red FEP Jkt, CMP FPLP

⚏ Request Sample

Product Description

High Temperature Electronic, 4 Conductor 14AWG (7x22) 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, …)

Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	4	14	7x22	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	0.015 in	0.311 in

Cable Diameter (Nominal):	0.311 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	2.3 Ohm/1000ft	30 pF/ft	52 pF/ft	14.4 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.
3.25 in

Max. Pull Tension:	270 lbs
Bulk Cable Weight:	98 lbs/1000ft

Standards and Compliance

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

History

Update and Revision:	Revision Number: 0.347 Revision Date: 09-30-2020