



**Product:** <u>83512</u> ☑

Electronic, 12 C #24 Str TC, FEP Ins, OS+TC Brd, FEP Jkt, CMP

Request Sample

# **Product Description**

High Temperature Electronic, 12 Conductor 24AWG (7x32) Tinned Copper, FEP Insulation, Overall Beldfoil®+Tinned Copper Braid(85%) Shield, FEP Outer Jacket, CMP

# **Technical Specifications**

## **Product Overview**

#### **Construction Details**

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	12	24 AWG	7x32	TC - Tinned Copper

## Insulation

Element	Material Non Thick		Nom. Insulation Diameter	Color Code
Conductor(s)	FEP - Fluorinated Ethylene Propylene	0.006 in (0.15 mm)	0.036 in (0.91 mm)	Black, White, Red, Green, Orange, Blue, White/Black Stripe, Red/Black Stripe, Green/Black Stripe, Orange/Black Stripe, Blue/Black Stripe, Black/White Stripe

## **Outer Shield**

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

## Outer Jacket

Material		Nom. Thickness	Nom. Diameter
FEP - Fluorinated Ethylene Pro	opylene	0.014 in (0.36 mm)	0.209 in (5.31 mm)
Overall Cable Diameter (Nominal): 0.209		n (5.31 mm)	

## **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 (66 pF/m)	36 pF/ft (120 pF/m)	1.4 Amps per Conductor at 25°C	

# Voltage

UL Voltage Rating 300 V (CMP)

# **Mechanical Characteristics**

# Temperature

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

#### Bend Radius

2.09 in (53.1 mm)	
Max. Pull Tension:	n: 66 lbs
Bulk Cable Weight:	ht: 42 lbs/

## **Standards and Compliance**

Environmental Suitability:	Indoor - Plenum, Indoor, Outdoor, Sunlight Resistance, Oil Resistance
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), FT6
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## **Product Notes**

Notes:	Gas Resistant

## **History**

Update and Revision:	Revision Number: 0.522 Revision Date: 11-27-2023		

## **Part Numbers**

#### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
83512 0021000	Red	Reel	1,000 ft	612825204855	С

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