



Product: [82489](#)

Electronic, 4 C #18 Str TC, FEP Ins, PVC Jkt, CMP

[Request Sample](#)

Product Description

Electronic Cable, 4 Conductor 18AWG (19x30) Tinned Copper, FEP Insulation, PVC Outer Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:	indoor plenum 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	No. of Elements	Size	Stranding	Material
Conductor(s)	4	18 AWG	19x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	FEP - Fluorinated Ethylene Propylene	0.007 in (0.18 mm)	0.057 in (1.4 mm)	Black, Red, White, Green

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.177 in (4.50 mm)

Overall Cable Diameter (Nominal): 0.177 in (4.50 mm)

Electrical Characteristics

Electricals			
Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	6.92 Ohm/1000ft	21 pF/ft (69 pF/m)	5 Amps per Conductor at 25°C
Voltage			
UL Voltage Rating			
300 V (CMP), 150 V (CL3P)			

Mechanical Characteristics

Temperature	
UL Temperature	Operating
75°C	0°C to +75°C
Bend Radius	
Stationary Min.	Installation Min.
1.77 in (45.0 mm)	1.77 in (45.0 mm)
Max. Pull Tension:	98.8 lbs (44.8 kg)
Bulk Cable Weight:	29 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum)
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 800
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), 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)
Non-Plenum Number:	8489

History

Update and Revision:	Revision Number: 0.517 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
82489 8771000	Natural	Reel	1,000 ft	612825197140	C
82489 877U1000	Natural	UnReel	1,000 ft	612825197133	

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