



Product: [82418](#)

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

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Product Description

Electronic Cable, 4 Conductor 18AWG (19x30) Tinned Copper, FEP Insulation, Overall Beldfoil® Shield, 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	Number of Element	AWG	Stranding	Material
Conductor(s)	4	18	19x30	TC - Tinned Copper

Insulation

Element	Material	Thickness [in.]	Color Code
Conductor(s)	FEP - Fluorinated Ethylene Propylene	0.007	Black, White, Red, Green

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	20 AWG (19x32) TC

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC-LS - Polyvinyl Chloride (Low Smoke)	0.015 in	0.172 in

Cable Diameter (Nominal):	0.172 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)	6.4 Ohm/1000ft	30 pF/ft	63 pF/ft	4.3 Amps per Conductor at 25°C

Nom Outer Shield DCR:	7.9 Ohm/1000ft
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Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Rating	Operating
60°C	-20°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
1.75 in	1.7 in

Max. Pull Tension:	114 lbs
Bulk Cable Weight:	33 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	NFPA 262, FT6, IEC 60332-1-2
NEC / UL Compliance:	Article 800, 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)
Non-Plenum Number:	9418

History

Update and Revision:	Revision Number: 0.353 Revision Date: 07-31-2020
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