



REPRESENTATIVE IMAGE

Product: [8770](#)

Electronic, 3 C #18 Str TC, PE Ins, OS, PVC Jkt, CM

[Request Sample](#)

Product Description

Electronic, 3 Conductor 18AWG (16x30) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

Technical Specifications

Product Overview

Suitable 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)	3	18	16x30	TC - Tinned Copper

Insulation

Element	Material	Thickness [in.]	Color Code
Conductor(s)	PE - Polyethylene	0.018	Black, Red, Clear

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.033 in	0.246 in

Cable Diameter (Nominal):	0.246 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedence	Max. Current
Conductor(s)	6.6 Ohm/1000ft	24 pF/ft	48 pF/ft	69 Ohm	5.3 Amps per Conductor at 25°C

Nom Outer Shield DCR:	8.5 Ohm/1000ft
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Voltage

UL Voltage Rating
300 V (CM), 300 V (UL AWM 2093)

Mechanical Characteristics

Temperature

UL Rating	Operating
60°C (UL AWM 2093)	-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.

2.5 in	2.5 in
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Max. Pull Tension:	74 lbs
Bulk Cable Weight:	36 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 UL Loading, FT1, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	2093
CEC / C(UL) Compliance:	CM
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)
Plenum Number:	88770

History

Update and Revision:	Revision Number: 0.363 Revision Date: 09-30-2020
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