



Product: [8760](#)

Electronic, 2 C #18 Str TC, PE Ins, OS, PVC Jkt, CM

Request Sample

Product Description

Electronic, 2 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 digital control (24v, ...); line level audio; computer communication; panel wiring
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	18 AWG	16x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PE - Polyethylene	0.018 in (0.46 mm)	Black, Clear

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.028 in (0.71 mm)	0.222 in (5.64 mm)

Overall Cable Diameter (Nominal): 0.222 in (5.64 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	6.5 Ohm/1000ft (21 Ohm/km)	27.2 pF/ft (89.2 pF/m)	7.2 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (CM), 300 V (UL AWM 2092))

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C (UL AWM 2092)	-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
2.2 in (56 mm)	2.2 in (56 mm)

Max. Pull Tension: 54 lbs

Bulk Cable Weight:	25 lbs/1000ft (37 kg/km)
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Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	UL AWM Style 2092
CEC / C(UL) Compliance:	CM
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)
Plenum Number:	88760, 87760 or 82760

History

Update and Revision:	Revision Number: 0.402 Revision Date: 12-15-2021
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Variants

Item #	Color	Putup Type	Length	UPC/EAN
8760.01152	Chrome	Reel	152 m	8719605018809
8760 060250	Chrome	Reel	250 ft	612825215189
8760.01305	Chrome	Reel	305 m	8719605018823
8760 060500	Chrome	Reel	500 ft	612825215196
8760 060U500	Chrome	UnReel	500 ft	612825215127
8760 0601000	Chrome	Reel	1,000 ft	612825215134
8760 060U1000	Chrome	UnReel	1,000 ft	612825215110
8760 0602000	Chrome	Reel	2,000 ft	612825215172
8760 0605000	Chrome	Reel	5,000 ft	612825215202
8760 06010000	Chrome	Reel	10,000 ft	612825215141
8760 06015000	Chrome	Reel	15,000 ft	612825215165
8760.00U152	Gray	UnReel	152 m	8719605018793
8760.01U305	Gray	UnReel	305 m	8719605018830
8760.00610	Gray	Reel	610 m	8719605018786
8760.011525	Gray	Reel	1,525 m	8719605018816

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