

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	18 AWG	16x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene	0.018 in (0.46 mm)	0.082 in (2.1 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)	7.06 Ohm/1000ft	27.2 pF/ft (89.2 pF/m)	14 Amps per Conductor at 30ºC

Voltage

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

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

Bend Radius

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

Max. Pull Tension:	54.2 lbs (24.6 kg)

Bulk Cable Weight:	25 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1685 UL loading , IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 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)
UK Regulation Compliance:	UKCA Mark
Plenum Number:	88760, 87760 or 82760

History

Update and Revision:	Revision Number: 0.559 Revision Date: 02-15-2024

Part Numbers

Variants

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

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