



Product: [8760ZH](#)

Electronic, 2 C #18 Str TC, PO Ins, OS, LSZH Jkt, CMG

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Product Description

Electronic, 2 Conductor 18AWG (16x30) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket, CMG

Technical Specifications

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	0.0175 in (0.445 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
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.028 in (0.71 mm)
	0.222 in

Overall Cable Diameter (Nominal):	0.222 in.
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Electrical Characteristics

Electricals				
Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
6.5 Ohm/1000ft	29.8 pF/ft (97.8 pF/m)	44 pF/ft (140 pF/m)	57 Ohm	4.8 Amps per Conductor at 25°C

Voltage	
UL Voltage Rating	300 V

Mechanical Characteristics

Temperature	
UL Temperature	Operating
75°C	-20°C To +75°C

Bend Radius	
Stationary Min.	Installation Min.
2.22 in (56.4 mm)	2.22 in

Max. Pull Tension:	62 lbs (28 kg)
Bulk Cable Weight:	26 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Non-Halogenated
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 21305
CEC / C(UL) Compliance:	CMG
ISO/IEC Compliance:	IEC 61034-2 - Smoke Density Min Transmittance = 60%
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.202 Revision Date: 02-15-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8760ZH 060500	Chrome	Reel	500 ft	612825382362
8760ZH 0601000	Chrome	Reel	1,000 ft	612825382355

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