



**Product:** [8461ZH](#)

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

[Request Sample](#)

### Product Description

Electronic, 2 Conductor 18AWG (7x26) Tinned Copper, PO Insulation, LSZH Outer Jacket, CMG

### Technical Specifications

#### Construction Details

##### Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	18 AWG	7x26	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.016 in (0.41 mm)	0.078 in (2.0 mm)	Black & White

##### Outer Shield

Material
No Shield

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.027 in (0.69 mm)	0.210 in

Overall Cable Diameter (Nominal):	0.210 in.
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#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
6.5 Ohm/1000ft	31 pF/ft (100 pF/m)	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.
2.1 in (53 mm)	2.1 in

Max. Pull Tension:	45 lbs (20 kg)
Bulk Cable Weight:	22 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Non-Halogenated
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.364 Revision Date: 02-15-2024
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## Part Numbers

### Variants

Item #	Color	UPC
8461ZH 0101000	Black	612825382317
8461ZH 010500	Black	612825382324

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