



Product: [8471ZH](#)

Electronic, 2 C #16 Str TC, PO Ins, LSZH Jkt, CMG

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Product Description

Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, PO Insulation, LSZH Outer Jacket, CMG

Technical Specifications

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	16 AWG	19x29	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.018 in (0.46 mm)	0.095 in (2.4 mm)	Black & White

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.032 in (0.81 mm)	0.254 in

Overall Cable Diameter (Nominal): 0.254 in.

Electrical Characteristics

Electricals		
Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
4.49 Ohm/1000ft	28 pF/ft (92 pF/m)	6.5 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.
2.54 in (64.5 mm)	2.54 in

Max. Pull Tension:	80 lbs (36 kg)
Bulk Cable Weight:	32 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: 0.285 Revision Date: 05-05-2023
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Part Numbers

Variants

Item #	Color	UPC
8471ZH 0101000	Black	612825382379
8471ZH 010500	Black	612825382386

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