



Product: [9770ZH](#)

Electronic, 3 C #22 Str TC, PO Ins, OS, LSZH Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 3 Conductor 22AWG (7x30) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket, CMG

Technical Specifications

Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	3
Conductor Count:			3

Insulation	
Material	Nominal Wall Thickness
PP - Polypropylene	0.0085 in

Color Chart	
Number	Color
1	Black
2	Red
3	White

Outer Shield					
Type	Layer	Material	Material Trade Name	Drainwire Material	Drainwire AWG
Tape	Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	TC - Tinned Copper	22

Outer Jacket	
Material	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.020 in

Electrical Characteristics

Conductor DCR	
Nominal Conductor DCR	
15.0 Ohm/1000ft	

Capacitance	
Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
32.0 pF/ft	60.0 pF/ft

Current	
Max. Recommended Current [A]	
3 Amps per Conductor at 25°C	

Voltage	
UL Voltage Rating	

300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temperature Range:	-20°C to 75°C

Mechanical Characteristics

Bulk Cable Weight:	18 lbs/1000ft
Max. Pull Tension:	29 lbs
Min. Bend Radius/Minor Axis:	1.5 in

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMG
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	AWM 21307

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	UPC
9770ZH 0101000	Black	612825382454
9770ZH 010500	Black	612825382638

History

Update and Revision:	Revision Number: 0.261 Revision Date: 05-05-2023
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