



Part Number: 9418ZH

Audio/Control/Instrumentation, (4) 18 AWG (19x30) TC, PP/LSZH, CMG

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Product Description

Four 18 AWG stranded (9x30) tinned copper conductors, twisted pairs, polypropylene insulation, Beldfoil® shield (100% coverage), low smoke zero halogen jacket

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	19x30	TC - Tinned Copper	4

Conductor Count:	4
Conductor Size:	18 AWG

Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.011 in

Color Chart

Number	Color
1	Red
2	Green
3	White
4	Black

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	20

Outer Jacket Material

Material	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen	0.035 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
8.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
24.0 pF/ft	44.0 pF/ft
Shielding:	Foil(s) or Copper Tape(s)

Current

Max. Recommended Current [A]
5.0 Amps per conductor @ 20°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	42 lbs/1000ft
Max Recommended Pulling Tension:	100 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

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

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2012-05-07
CA Prop 65 (CJ for Wire & Cable):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color
9418ZH 0101000	Black
9418ZH 010500	Black

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