

Part Number: 8719NH

Electronic, 2 C #16 Str TC, PO Ins, OS, LSZH Jkt, AWM 2937



Product Description

Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket, AWM 2937

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass Dca
Suitable Applications:	Instrumentation and computer cable; For data transmission applications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
16	19x29	TC - Tinned Copper	2	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
PE - Polyethylene	3.1 mm	0.07 mm	0.028 in

Color Chart

Number	Color
Pair 1	Black & Transparent

Inner Shield Material

Material	Drainwire Material	Drainwire AWG
Aluminum / Polyester	Tinned copper	AWG18/16

Inner Jacket Material

Material
FRNC / LSZH

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Thickness of Foil	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	9 / 23 µm	TC - Tinned Copper	18	Stranded mm

Outer Jacket Material

Material	Color	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC	Chrome (RAL 7037)	0.3	0.032 in
		0.3 in	

Construction and Dimensions

Stranding

Twists

4.4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.5 Ohm/1000ft

4.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
26 pF/ft	46.75 pF/ft

Inductance

Nominal Inductance	Nominal Pair Inductance
0.2 µH/ft	0.66 µH/m

Current

Element	Max. Recommended Current [A]
Conductor	7 Amps per conductor @ 25°C

Voltage

UL Description	UL Voltage Rating
UL AWM 21310	600 V RMS UL AWM 21310
UL type CMG	300 V RMS CMG

Temperature Range

Operating Temp Range:	-20°C To +80°C
Operating Temp Range (Flexible Install):	-15°C To +80°C
Operating Temp Range (Fixed Install):	-45°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	44 lbs/1000ft
Max Recommended Pulling Tension:	102 lbs
Min Bend Radius/Minor Axis:	3 in

Standards

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL AWM 21310
CPR Euroclass:	Dca-s2,d1,a1
CENELEC Compliance:	EN 50290-2-27

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Non-Halogenated:	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading
ISO/IEC Flammability:	IEC 60332-1-2

Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero
UL voltage rating:	600 V RMS UL AWM 21310

Part Number

Variants

Item #	Color	Length
8719NH.001000	Chrome	1,000 m
8719NH.00305	Chrome	305 m
8719NH.K0305	Chrome	305 m
8719NH.K01000	Chrome	1,000 m

History

Update and Revision:	Revision Number: 0.355 Revision Date: 08-28-2019
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