


Product: [8720NH](#) 

Electronic, 2C #14 Str TC, PO ins, OS, LSNH Jkt, 600V



Product Description

Electronic, 2 Conductor 14 AWG (19x27) Tinned Copper, Polyolefin (PO, PE, PP) insulation, Foil(s) or Copper Tape(s) shielding, LSZH / FRNC jacket , 600V

Technical Specifications

Product Overview

Suitable Applications:	Audio, signal, control and instrumentation applications
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
14	19x27	TC - Tinned Copper	1

Conductor Count:	2
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Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
PE - Polyethylene	3.55 mm	0.8 mm

Color Chart

Number	Color
Wire 1	Black
Wire 2	Clear

Outer Shield

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil® (Z-Fold®)	100%	TC - Tinned Copper	AWG 16/19	Stranded

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	9 mm	0.9 mm

Construction and Dimensions

Cabling

Description
2 wires stranded + drainwire stranded tinned copper AWG16/19

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
8.3 Ohm/km	11.3 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
78 pF/m	154 pF/m

Impedance

Nominal Characteristic Impedance

58 Ohm

Current

Max. Recommended Current [A]

9.5 Amps per Conductor

Temperature Range

Storage Temperature Range:	-30°C To +80°C
Operating Temperature Range:	-30°C To +70°C
Other Temp Range:	-20-+80 °C

Mechanical Characteristics

Min Bend Radius (W/o Pulling Strength):	45 mm
Min Setting Radius:	90 mm

Standards

UL AWM Style Compliance:	AWM 21310
ISO/IEC Compliance:	IEC 60754-2

Applicable Environmental and Other Programs

Environmental Space:	Indoor
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Suitability

Suitability - Non-Halogenated:	IEC 60754-2
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Flammability, LSOH, Toxicity Testing

UL Flammability:	UL horizontal flame test
IEC 60754-1 - Halogen Amount:	Zero
IEC 61034-2 - Smoke Density Min. Transmittance:	60%

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
8720NH.00500	Gray	Reel	500 m	8719605018557

History

Update and Revision:	Revision Number: 0.154 Revision Date: 04-08-2022
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