



Product: [46381NH](#)

Speaker Cable LSZH 2x2.5mm², CPR Eca.

Product Description

Speaker Cable, 2 Conductor 2.5mm² (50 x 0.25mm) Oxygen-Free Bare Copper (High Conductivity), PE Insulation, LSZH Jacket, Flexible, CPR Euroclass Eca.

Technical Specifications

Product Overview

Suitable Applications:	Speaker cable for use in indoor or outdoor applications
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Physical Characteristics (Overall)

Conductor

Stranding	Material	Cross Section	Construction n x D
50x30	BC - Bare Copper	2.50 mm ²	50x0.25 mm

Conductor Count:	2
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Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	PE - Polyethylene	2.90 mm	0.07 mm

Color Chart

Number	Color
Wire 1	Black
Wire 2	Red

Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	8.05 mm	0.10 mm

Table Notes:	Flexible with Matte Finish
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Construction and Dimensions

Cabling

Description
2 wires twisted

Electrical Characteristics

Conductor DCR

Max. Conductor DCR
8 Ohm/km

Capacitance

Nom. Capacitance
76 pF/m

Min Insulation Resistance:	200 MOhm*km
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Inductance

Nominal Inductance

Max. 1.20 µH/m

Voltage**Voltage Rating [V]**

300 V

Temperature Range

Storage Temperature Range:	-40°C To +70°C
Operating Temp Range (Flexible Install):	-5°C To +60°C
Operating Temp Range (Fixed Install):	-40°C To +70°C

Mechanical Characteristics

Max. Pull Tension:	350 N
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Standards

CPR Euroclass:	Eca
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Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Eca
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Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
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

Related Part Numbers**Variants**

Item #	Color	Put-Up Type	Length	EAN
46381NH.00500	Gray	Reel	500 m	8719605007483

History

Update and Revision:	Revision Number: 0.175 Revision Date: 02-03-2025
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