



**Product:** [46381NH](#)

Speaker Cable LSZH 2x2.5mm<sup>2</sup>, CPR Eca.

## Product Description

Speaker Cable, 2 Conductor 2.5mm<sup>2</sup> (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 |
|------------------------|---|

### Physical Characteristics (Overall)

#### Conductor

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

|                  |   |
|------------------|---|
| Conductor Count: | 2 |
|------------------|---|

#### 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 |
|--------------|----------------------------|

### 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 |
|----------------------------|-------------|

#### 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 |
|--------------------|-------|

**Standards**

|                |     |
|----------------|-----|
| CPR Euroclass: | Eca |
|----------------|-----|

**Applicable Environmental and Other Programs**

|                      |                        |
|----------------------|------------------------|
| Environmental Space: | Indoor - Euroclass Eca |
|----------------------|------------------------|

**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: 0.172 Revision Date: 12-19-2022 |
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