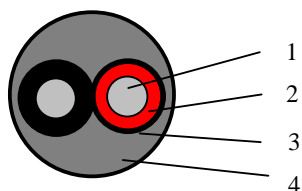
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APPLICATION

Speaker cable for use in indoor or outdoor applications

CONSTRUCTION



- | | |
|--|--|
| 1. Conductor
Material | 50 x 0.25 mm
stranded bare Cu (2.5 mm ²) |
| 2. Insulation
Material
Diameter over insulation
Colour of insulation | PE
2.90 ± 0.07 mm
Black and red |
| 3. Cablecore | 2 wires twisted |
| 4. Sheath
Material
Diameter over sheath
Colour of sheath | Flexible FRNC with matte finish
8.05 ± 0.10 mm
Grey (like RAL 7000) or Black
(UV resistant) |


REQUIREMENTS AND TEST METHODS

Electrical:

Resistance conductor @ 20°C	< 8 Ω/km
Maximum operating voltage	300 V RMS
Nominal capacitance at 1kHz	76 pF/m
Nominal inductance @ 1kHz	< 1.2 uH/m
Testvoltage conductor-conductor	1kV= for 1min.
Insulation resistance at 20C	> 200 Mohm*km

Mechanical and physical:

Flametest	IEC 60332-1
Halogen content according to IEC754-1	zero
Corrosivity of fire gasses according to IEC754-2	
Conductivity	≤ 100 μS/cm
pH value	≥ 3.5
Max. pulling tension	350N

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Temperature range operating (moving installation)	-5 to +60 °C
Temperature range operating (fixed installation)	-40 to +70 °C
Temperature range storage	-40 to +70 °C

MARKING

grey sheath with text: 'BELDEN 46381NH SPEAKER CABLE 2x2.5 mm²'

black sheath with text: 'BELDEN 46381NH SPEAKER CABLE 2x2.5 mm²'



Belden CDT believes this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.