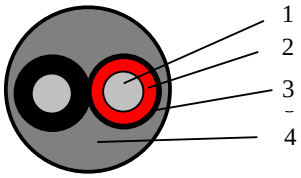
## APPLICATION

Speaker cable for use in indoor or outdoor applications

## CONSTRUCTION




| | | |
|---|---|---|
| **1.** | **Conductor** | 56 x 0.30 mm |
| | Material | stranded bare Cu (4.0 mm² ) |
| **2.** | **Insulation** | |
| | Material | PE |
| | Diameter over insulation | 3.50 ± 0.07 mm |
| | Colour of insulation | Black and red |
| **3.** | **Cable core** | two wires twisted |
| **4.** | **Sheath** | |
| | Material | Flexible FRNC with matte finish |
| | Diameter over sheath | 9.00 ± 0.10 mm |
| | Colour of sheath | Grey (like RAL 7000) or Black (UV resistant) |

## REQUIREMENTS AND TEST METHODS

**Electrical:**

| | |
|---|---|
| Resistance conductor @ 20°C | < 4.5 Ω/km |
| Maximum operating voltage | 300 V RMS |
| Nominal capacitance at 1kHz | 76 pF/m |
| Nominal inductance at 1 KHz | < 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 | 550N |

| | |
|---|---|
| Temperature range operating (moving instalation) | -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 46380NH SPEAKER CABLE 2 x 4.0 mm2'
Black sheath with text:'BELDEN 46380NH SPEAKER CABLE 2 x 4.0 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.