

# LONAK<sup>®</sup> 2x2x0.8

## Building automation cable

### Construction

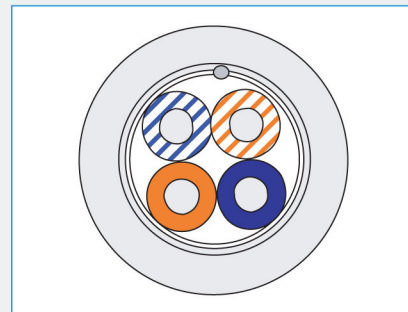
<b>Conductor</b>	Copper wire, tinned 0.5 mm <sup>2</sup> , Ø 0.80 mm
<b>Insulation</b>	PVC, 1.6 mm Ø
<b>Conductor identification</b>	Pair 1: white-blue, blue, Pair 2: white-orange, orange
<b>Stranding</b>	4 conductors to the quad
<b>Cable lay up</b>	1 quad to the core
<b>Wrapping</b>	1 x PET foil
<b>Overall shielding</b>	Laminated AL-foil + copper drain wire
<b>Rip cord and identification thread</b>	yes
<b>Outer sheath</b>	PVC, grey RAL 7035, Ø 7.0 mm
<b>Outer Diameter</b>	Nom. 7.0 mm
<b>Weight</b>	Nom. 54 kg/km

### Mechanical Properties

<b>Operating temperature</b>	- 30°C up to + 70°C
<b>Min. Installation temperature</b>	- 5°C
<b>Minimum bending radius</b>	10 x D
<b>Minimum bending radius (during pulling)</b>	15 x D
<b>Maximum pulling force</b>	100 N

### Electrical Properties at 20°C

<b>Loop DC resistance (max.)</b>	73 Ω/km
<b>Insulation resistance (at 500 V, 1 min.)</b>	100 MΩ*km
<b>Mutual capacitance at 800 Hz (max.)</b>	98 nF/km
<b>Velocity factor</b>	0.55
<b>Max. operating voltage DC</b>	75 V
<b>Test voltage conductor/conductor</b>	2.25 kV DC, 1 min.
<b>Test voltage conductor/screen</b>	1.5 kV DC, 1 min.



### Application

- Fixed indoor installations
- LON cabling
- Building automation

### Fire Rating

- IEC 60332-1

### Ordering Information

P/N	Product Description	P.U
1003580 CS2638200 L432498	2x2x0.8 mm, Building automation cable, LONAK <sup>®</sup> 2x2x0.8	1000m/drum