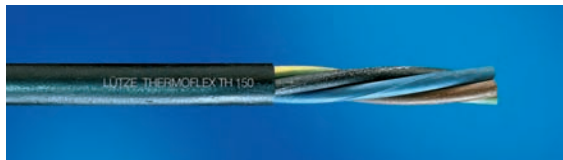


# Temperature-resistant networked control cables

## LÜTZE THERMOFLEX TH 150



### Application

- The wide range of application temperatures of networked materials means that they can be used in the most extreme climatic conditions.
- In machine and plant construction at high ambient temperatures and extremely harsh operating conditions
- Optimally suited for use outdoors under extreme conditions
- Wherever constant ambient temperatures up to +130 °C are present
- Heating, climate and ventilation technology

### Properties

- High resistance to welding beads
- Temperature and hot air resistant control cable
- halogen-free, no corrosive gases
- High electrical dielectric strength
- Optimal resistance to weathering, UV and abrasion
- Free from paint wetting impairment substances (LABS-free), RoHS-compliant

### Technical data

Voltage	
U <sub>0</sub> /U	450/750 V
Test voltage	2500 V
Insulation resistance	min. 200 MΩ × km
Temperature range	-50 °C to +150 °C
Hot deformation resistance	up to 150 °C according to DIN EN 60811-3-1
Minimum bending radius	
moving	Cable diameter × 10
fixed	Cable diameter × 4
Burning behaviour	Flame-retardant according to VDE 0482 T 265-2; DIN EN 50265-2-1; IEC 60332-1
Halogen-free	according to DIN EN 50264-1; EN 50267-2-1 and EN 60684-2

### Design

- Bare copper braid galvanised, fine stranded according to DIN VDE 0295 class 5 and IEC 60228 class 5
- Conductor insulation networked polyolefin copolymer
- Conductor colour according to DIN VDE 0293-308 (new)
- 2-wire: brown, blue
- 3-wire: greenyellow, brown, blue
- 4-wire: greenyellow, brown, black, grey
- 5-wire: greenyellow, blue, brown, black, grey
- starting with 6 conductors black with white number print according to DIN EN 50334
- Ground conductor green/yellow according to DIN EN 50334 in the top layer
- G = with green/yellow ground conductor; × = without ground conductor
- Conductors stranded layers
- Jacket networked polyolefin copolymer
- Jacket colour black

Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
<b>0.5 mm<sup>2</sup></b>				
111820	2x0.5	4.3	2.8	1.0
111821	3G0.5	4.5	3.4	1.5
111822	4G0.5	4.9	4.1	2.0
111823	5G0.5	5.4	5.1	2.5
111824	7G0.5	5.9	6.5	3.5
<b>0.75 mm<sup>2</sup></b>				
111826	2x0.75	4.8	3.7	1.5
111827	3G0.75	5.1	4.5	2.4
111828	4G0.75	5.6	5.7	3.0
111829	5G0.75	6.1	6.7	3.7
111830	7G0.75	6.7	8.7	5.2
<b>1.0 mm<sup>2</sup></b>				
111832	2x1.0	5.4	4.9	2.0
111833	3G1.0	5.7	5.9	3.0
111834	4G1.0	6.2	7.3	4.0
111835	5G1.0	6.8	8.6	5.0
111836	7G1.0	7.5	11.5	7.0
<b>1.5 mm<sup>2</sup></b>				
111838	2x1.5	6.0	6.2	2.9
110155	3G1.5	6.2	7.7	4.4
110156	4G1.5	6.9	9.5	5.8
110157	5G1.5	7.6	11.6	7.3
110158	7G1.5	8.3	15.2	10.2
<b>2.5 mm<sup>2</sup></b>				
111840	2x2.5	7.0	9.1	4.9
111841	3G2.5	7.5	11.8	7.3
111842	4G2.5	8.2	14.6	9.7
111843	5G2.5	9.0	17.6	12.1
111844	7G2.5	10.0	23.6	16.9

CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC