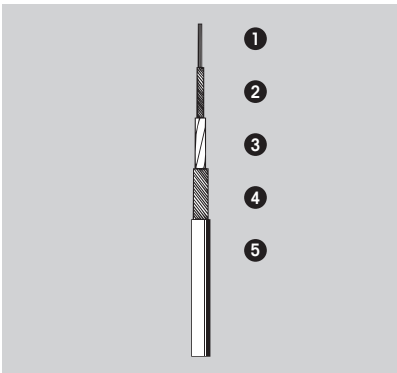
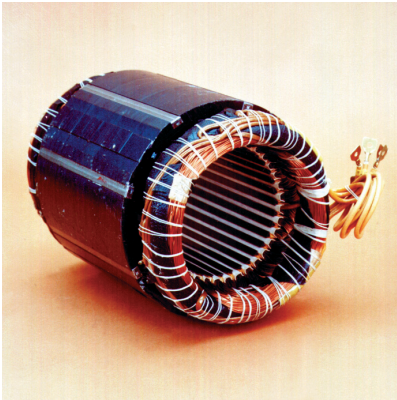




## kalTHERM 130-2 stranded hook-up wire, free from halogen and silicon



**kalTHERM 130-2** connecting lead wires are heat resistant and especially suitable for the use in devices which are subject to a subsequent immersion process. They are resistant against common solvents and oils as well as common immersion paints and immersion resins.

### Application:

Connecting leads for motors, transformers and other areas of application of the insulation class B (130°C) according to VDE 0530.

### Design:

1. **Conductor:** tinned or bare copper wires
2. **Under spinning:** acetate silk
3. **Wrapping:** polyester foil
4. **Plaiting:** artificial silk
5. **Varnish:** polyurethane

### Mechanical characteristics:

**Heat pressure** (130°C/4h – DIN VDE 0472 Part 609): approx. 20%

**Temperature range:** -20° to +130°C

### Bending radius:

0,14 ... 1,50 mm<sup>2</sup>:  $\geq 1 \times$  outer  $\varnothing$   
2,50 mm<sup>2</sup>:  $\geq 2 \times$  outer  $\varnothing$

### Electrical characteristics:

#### Insulation resistance:

min. 100 M $\Omega$  x km according to VDE 0472, § 502.3. Type of checking

**Operating voltage:** max. 600 V

#### Check voltage:

2,5 kV at 50 Hz/2 min according to VDE 0472, § 509 para. 1.2

**Electric strength:** > 6 kV

### Colour code:

Through supplementing with the number of the colour code, you receive the complete item number.

black	XX = 01
blue	XX = 02
brown	XX = 03
red	XX = 04
white	XX = 05
grey	XX = 06
purple	XX = 07
yellow	XX = 11
green	XX = 12
green/yellow	XX = 00

With a minimum production amount also other colours upon request.

\* Minimum production quantities upon request

Item number tinned	Item number bare *	Cross section mm <sup>2</sup>	Delivery format	Running length appr. m	Wire construction n x mm	Outer diameter mm	Conductive resistance at +20°C max ohm/km	Copper number kg/1000 m
8005-XX	8055-XX	0,14	Rings	500	18 x 0,10	1,10 ± 0,10	132,00	1,5
8006-XX	8056-XX		EB	4000				
8007-XX	8057-XX		Spools K 250	2000				
8009-XX	8059-XX	0,25	Rings	500	14 x 0,15	1,30 ± 0,10	75,50	2,5
8010-XX	8060-XX		EB	3750				
8011-XX	8061-XX		Spools K 250	1800				
8013-XX	8063-XX	0,37	Rings	500	12 x 0,20	1,50 ± 0,15	50,50	3,7
8014-XX	8064-XX		EB	3000				
8015-XX	8065-XX		Spools K 250	1650				
8017-XX	8067-XX	0,50	Rings	200	16 x 0,20	1,65 ± 0,10	37,10	5,0
8018-XX	8068-XX		EB	2750				
8019-XX	8069-XX		Spools K 250	1500				
8021-XX	8071-XX	0,75	Rings	200	24 x 0,20	1,85 ± 0,10	24,80	7,5
8022-XX	8072-XX		EB	2000				
8023-XX	8073-XX		Spools K 250	1250				
8025-XX	8075-XX	1,00	Rings	200	32 x 0,20	2,00 ± 0,10	18,50	10,0
8026-XX	8076-XX		EB	1750				
8027-XX	8077-XX		Spools K 250	1000				
8029-XX	8079-XX	1,50	Rings	100	30 x 0,25	2,30 ± 0,15	12,70	15,0
8030-XX	8080-XX		EB	1500				
8031-XX	8081-XX		Spools K 250	750				
8033-XX	8083-XX	2,50	Rings	100	50 x 0,25	2,90 ± 0,15	7,63	25,0
8034-XX	8084-XX		EB	1000				
8035-XX	8085-XX		Spools K 250	500				

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