Desca AG | Lerzenstrasse 14 | CH-8953 Dietikon
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DESCAFLEX Ni-450

Stranded wires in pure Nickel fiberglass insulated 450°C

0,25 mm² - 50,00 mm²

Special stranded wires for use in high-temperature applications in dry or humid environment such as connecting wires for heating resistors, etc.

Construction	Flexible pure Nickel conductors Insulation Silicon impregnated coated fiberglass wrapping and Silicon impregnated coated mineral fibre braid	
Technical Data	Rated voltage Uo/U	300 / 500 V
	Test voltage	2000 V
	Temperature range	- 50°C ... + 450°C
	Min. bending radius	6 x outer diameter
Standards / Approvals	-	
	-	

Pure nickel conductors consisting of 0.30 mm wires. Insulation with several layers, which are protected by a treated fiberglass and mineral fibres complex. The insulation is fully impregnated with silicone rubber, so the wires are well protected against moisture.

Subject to technical changes; images purely by way of example

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Technical Information

Cross section mm²	Outer-Ø ca. mm	Copper kg/km	Weight kg/km
0,25	2.20	2.40	6.50
0,50	2.50	4.80	8.70
0,75	2.70	7.20	11.90
1,00	3.20	9.60	14.50
1,50	3.40	14.40	20.50
2,50	4.00	24.00	32.20
4,00	4.50	38.40	50.00
6,00	5.30	57.60	72.30
10,00	8.00	96.00	130.00
16,00	9.40	153.60	206.00
25,00	10.60	240.00	323.00
35,00	13.40	336.00	423.00
50,00	14.00	480.00	590.00

0,25 mm²	black	blue	green-yellow	brown	grey	red	white	green
PU								
Coil 100 m	120570	120572	120574	120576	120578	120580	120582	120584

0,50 mm²	black	blue	green-yellow	brown	grey	red	white	green
PU								
Coil 100 m	120590	120592	120594	120596	120598	120600	120602	120604

0,75 mm²	black	blue	green-yellow	brown	grey	red	white	green
PU								
Coil 100 m	120618	120612	120614	120616	120610	120620	120622	120624

1,00 mm²	black	blue	green-yellow	brown	grey	red	white	green
PU								
Coil 100 m	120630	120636	120634	120640	120638	120642	120632	120644

1,50 mm²	black	blue	green-yellow	brown	grey	red	white	green
PU								
Coil 100 m	120650	120654	120652	120656	120658	120660	120662	120664

2,50 mm²	black	blue	green-yellow	brown	grey	red	white	green
PU								
Coil 100 m	120672	120674	120676	120678	120670	120680	120682	120684

4,00 mm²	black	blue	green-yellow	brown	grey	red	white	green
PU								
Coil 100 m	120690	120692	120694	120696	120698	120700	120702	120704

6,00 mm²	black	blue	green-yellow	brown	grey	red	white	green
PU								
Coil 100 m	120710	120712	120714	120716	120718	120720	120722	120724

10,00 mm²	black	blue	green-yellow	brown	grey	red	white	green
PU								
Coil 100 m	120730	120732	120734	120736	120738	120740	120742	120744

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16,00 mm²	black	blue	green-yellow	brown	grey	red	white	green
PU								
Coil 50 m	120752	120754	120756	120758	120760	120750	120762	120764

25,00 mm²	black	blue	green-yellow	brown	grey	red	white	green
PU								
Coil 50 m	120770	120772	120774	120776	120778	120780	120782	120784

35,00 mm²	black	blue	green-yellow	brown	grey	red	white	green
PU								
Coil 50 m	120790	120792	120794	120796	120798	120800	120804	120764

50,00 mm²	black	blue	green-yellow	brown	grey	red	white	green
PU								
Coil 50 m	120810	120812	120814	120816	120818	120820	120822	120824

Packaging

Coil 100m
Coil 50m

Stock availability

Item numbers marked in **bold** are generally available from stock, subject to prior sale.