

Mechanically robust rubber cable for mining and opencast pit

### Product Description

Use at very high mechanical stress; Single cores are suitable as a robust connection cable for welding equipment



### Application range

- For mining as well as surface mining
- Connection of moving equipment and machinery
- Under extreme environmental conditions
- Outdoor use as well as in dry and damp interiors

### Benefits

- Use at very high mechanical stress
- Single cores are suitable as a robust connection cable for welding equipment

### Design

- Fine-wired conductor of tinned copper strands
- Core insulation: Rubber Type 3GI3
- Inner jacket of rubber type GM1b or 5GM5
- Outer jacket of rubber Type 5GM5

### Product features

- Flame retardant according to IEC 60332-1-2
- Oil resistant according to EN 60811-2-1
- High notch resistance
- Abrasion resistant



**Technical Data**

**Core identification code**

Up to 5 cores: according to VDE 0293-308 (appendix T9)

Starting at 6 cores: Black with white numbers

**Approvals**

VDE 0250 Part 812

**Specific insulation resistance**

> 1 GOhm x cm

**Conductor stranding**

Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5

**Minimum bending radius**

Flexible use: 10 x outer diameter

Fixed installation: 5 x outer diameter

**Rated voltage**

U0/U: 600/1000 V

**Test voltage**

3000 V

**Protective conductor**

G = with protective conductor GN/YE

X = without protective conductor

**Current rating**

According to VDE 0298 Part 4, Table 15

**Range of temperature**

Flexible use: -25°C up to +90°C

Fixed installation: -40°C up to +90°C

**Article List**

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
NSSHÖU-O				
1600500	1 X 16	10,9	154.0	260
1600501	1 X 25	13,3	240.0	390
1600502	1 X 35	14,4	336.0	500
1600503	1 X 50	16,7	480.0	680
1600504	1 X 70	18,9	672.0	900
1600505	1 X 95	21.0	912.0	1150
1600506	1 X 120	23,3	1152.0	1440
1600507	1 X 150	25,2	1440.0	1750
1600508	1 X 185	28,4	1776.0	2180
1600509	1 X 240	31,4	2304.0	2790
NSSHÖU-J				
1600516	3 G 1,5	11,8	43.0	200
16005243	4 G 1,5	12,7	58.0	230
16005333	5 G 1,5	13,6	72.0	280
1600517	3 G 2,5	13,2	72.0	260
16005253	4 G 2,5	15,4	96.0	360

16005343	5 G 2,5	16,5	120.0	420
1600541	7 G 2,5	20.0	168.0	600
1600544	12 G 2,5	26.0	288.0	860
16005263	4 G 4	16,9	154.0	470
16005353	5 G 4	18,2	192.0	550
16005273	4 G 6	18,3	230.0	580
16005363	5 G 6	20,6	288.0	740
16005283	4 G 10	22,3	384.0	950
16005373	5 G 10	24,1	480.0	1100
16005293	4 G 16	26,1	614.0	1400
16005383	5 G 16	28,3	768.0	1720
16005303	4 G 25	31,2	960.0	2000
16005313	4 G 35	34,1	1344.0	2700
16005323	4 G 50	41.0	1920.0	3700

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil  $\leq$  30 kg and  $\leq$  250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Photographs are not to scale and do not represent detailed images of the respective products.