



**Description:** ÖLFLEX HEAT 180 SiF 2,5\_

**Lapp code:** Lapp 0052105

The **Test voltage** of the cable Lapp 0052105 is 2000 V.

## Application range

- Areas with high ambient temperatures where conventional core insulation materials will embrittle after a short while
- Typical fields of application
  - Control cabinet manufacturing
  - Appliances and apparatus engineering
  - Electric motor industry
  - Sauna/solarium construction
  - Thermal and heating elements
  - Lighting technology
  - Ventilator engineering
  - Air-conditioning technology
  - Furnace construction
  - Polymer processing
  - Generator and transformer manufacturing

## Product Make-up

- Fine-wire, tinned-copper conductor
- Silicone-based insulation

In our Cable list on next page you can find all interesting information acc. article Lapp 0052105 and much more.

CABLE LIST - all informations you need you can find here

| Product Name             | Lapp Nr.     | Conductor cross-section (mm²) | Outer diameter (mm) | Core colour  | Copper index (kg/km) | Weight (kg/km) |
|--------------------------|--------------|-------------------------------|---------------------|--------------|----------------------|----------------|
| ÖLFLEX HEAT 180 SiF 0,25 | Lapp 0047000 | 0,25                          | 1,9                 | green/yellow | 2.4                  | 5.4            |
| ÖLFLEX HEAT 180 SiF 0,25 | Lapp 0047001 | 0,25                          | 1,9                 | black        | 2.4                  | 5.4            |
| ÖLFLEX HEAT 180 SiF 0,25 | Lapp 0047002 | 0,25                          | 1,9                 | blue         | 2.4                  | 5.4            |
| ÖLFLEX HEAT 180 SiF 0,25 | Lapp 0047003 | 0,25                          | 1,9                 | brown        | 2.4                  | 5.4            |
| ÖLFLEX HEAT 180 SiF 0,25 | Lapp 0047005 | 0,25                          | 1,9                 | yellow       | 2.4                  | 5.4            |
| ÖLFLEX HEAT 180 SiF 0,25 | Lapp 0047006 | 0,25                          | 1,9                 | green        | 2.4                  | 5.4            |
| ÖLFLEX HEAT 180 SiF 0,25 | Lapp 0047007 | 0,25                          | 1,9                 | violet       | 2.4                  | 5.4            |
| ÖLFLEX HEAT 180 SiF 0,25 | Lapp 0047008 | 0,25                          | 1,9                 | pink         | 2.4                  | 5.4            |
| ÖLFLEX HEAT 180 SiF 0,25 | Lapp 0047009 | 0,25                          | 1,9                 | orange       | 2.4                  | 5.4            |
| ÖLFLEX HEAT 180 SiF 0,25 | Lapp 0047104 | 0,25                          | 1,9                 | red          | 2.4                  | 5.4            |
| ÖLFLEX HEAT 180 SiF 0,25 | Lapp 0047105 | 0,25                          | 1,9                 | white        | 2.4                  | 5.4            |
| ÖLFLEX HEAT 180 SiF 0,25 | Lapp 0047106 | 0,25                          | 1,9                 | grey         | 2.4                  | 5.4            |
| ÖLFLEX HEAT 180 SiF 0,5  | Lapp 0048000 | 0,5                           | 2,1                 | green/yellow | 4.8                  | 9.0            |
| ÖLFLEX HEAT 180 SiF 0,5  | Lapp 0048001 | 0,5                           | 2,1                 | black        | 4.8                  | 9.0            |
| ÖLFLEX HEAT 180 SiF 0,5  | Lapp 0048002 | 0,5                           | 2,1                 | blue         | 4.8                  | 9.0            |
| ÖLFLEX HEAT 180 SiF 0,5  | Lapp 0048003 | 0,5                           | 2,1                 | brown        | 4.8                  | 9.0            |
| ÖLFLEX HEAT 180 SiF 0,5  | Lapp 0048005 | 0,5                           | 2,1                 | yellow       | 4.8                  | 9.0            |
| ÖLFLEX HEAT 180 SiF 0,5  | Lapp 0048006 | 0,5                           | 2,1                 | green        | 4.8                  | 9.0            |
| ÖLFLEX HEAT 180 SiF 0,5  | Lapp 0048007 | 0,5                           | 2,1                 | violet       | 4.8                  | 9.0            |
| ÖLFLEX HEAT 180 SiF 0,5  | Lapp 0048008 | 0,5                           | 2,1                 | pink         | 4.8                  | 9.0            |
| ÖLFLEX HEAT 180 SiF 0,5  | Lapp 0048009 | 0,5                           | 2,1                 | orange       | 4.8                  | 9.0            |
| ÖLFLEX HEAT 180 SiF 0,5  | Lapp 0048104 | 0,5                           | 2,1                 | red          | 4.8                  | 9.0            |
| ÖLFLEX HEAT 180 SiF 0,5  | Lapp 0048105 | 0,5                           | 2,1                 | white        | 4.8                  | 9.0            |
| ÖLFLEX HEAT 180 SiF 0,5  | Lapp 0048106 | 0,5                           | 2,1                 | grey         | 4.8                  | 9.0            |
| ÖLFLEX HEAT 180 SiF 0,75 | Lapp 0049000 | 0,75                          | 2,4                 | green/yellow | 7.2                  | 12.0           |

# ÖLFLEX HEAT 180 SiF 2,5\_

Lapp 0052105



| Product Name             | Lapp Nr.     | Conductor cross-section (mm²) | Outer diameter (mm) | Core colour  | Copper index (kg/km) | Weight (kg/km) |
|--------------------------|--------------|-------------------------------|---------------------|--------------|----------------------|----------------|
| ÖLFLEX HEAT 180 SiF 0,75 | Lapp 0049001 | 0,75                          | 2,4                 | black        | 7.2                  | 12.0           |
| ÖLFLEX HEAT 180 SiF 0,75 | Lapp 0049002 | 0,75                          | 2,4                 | blue         | 7.2                  | 12.0           |
| ÖLFLEX HEAT 180 SiF 0,75 | Lapp 0049003 | 0,75                          | 2,4                 | brown        | 7.2                  | 12.0           |
| ÖLFLEX HEAT 180 SiF 0,75 | Lapp 0049005 | 0,75                          | 2,4                 | yellow       | 7.2                  | 12.0           |
| ÖLFLEX HEAT 180 SiF 0,75 | Lapp 0049006 | 0,75                          | 2,4                 | green        | 7.2                  | 12.0           |
| ÖLFLEX HEAT 180 SiF 0,75 | Lapp 0049007 | 0,75                          | 2,4                 | violet       | 7.2                  | 12.0           |
| ÖLFLEX HEAT 180 SiF 0,75 | Lapp 0049008 | 0,75                          | 2,4                 | pink         | 7.2                  | 12.0           |
| ÖLFLEX HEAT 180 SiF 0,75 | Lapp 0049009 | 0,75                          | 2,4                 | orange       | 7.2                  | 12.0           |
| ÖLFLEX HEAT 180 SiF 0,75 | Lapp 0049104 | 0,75                          | 2,4                 | red          | 7.2                  | 12.0           |
| ÖLFLEX HEAT 180 SiF 0,75 | Lapp 0049105 | 0,75                          | 2,4                 | white        | 7.2                  | 12.0           |
| ÖLFLEX HEAT 180 SiF 0,75 | Lapp 0049106 | 0,75                          | 2,4                 | grey         | 7.2                  | 12.0           |
| ÖLFLEX HEAT 180 SiF 1    | Lapp 0050000 | 1                             | 2,5                 | green/yellow | 9.6                  | 15.0           |
| ÖLFLEX HEAT 180 SiF 1    | Lapp 0050001 | 1                             | 2,5                 | black        | 9.6                  | 15.0           |
| ÖLFLEX HEAT 180 SiF 1    | Lapp 0050002 | 1                             | 2,5                 | blue         | 9.6                  | 15.0           |
| ÖLFLEX HEAT 180 SiF 1    | Lapp 0050003 | 1                             | 2,5                 | brown        | 9.6                  | 15.0           |
| ÖLFLEX HEAT 180 SiF 1    | Lapp 0050004 | 1                             | 2,5                 | beige        | 9.6                  | 15.0           |
| ÖLFLEX HEAT 180 SiF 1    | Lapp 0050005 | 1                             | 2,5                 | yellow       | 9.6                  | 15.0           |
| ÖLFLEX HEAT 180 SiF 1    | Lapp 0050006 | 1                             | 2,5                 | green        | 9.6                  | 15.0           |
| ÖLFLEX HEAT 180 SiF 1    | Lapp 0050007 | 1                             | 2,5                 | violet       | 9.6                  | 15.0           |
| ÖLFLEX HEAT 180 SiF 1    | Lapp 0050008 | 1                             | 2,5                 | pink         | 9.6                  | 15.0           |
| ÖLFLEX HEAT 180 SiF 1    | Lapp 0050009 | 1                             | 2,5                 | orange       | 9.6                  | 15.0           |
| ÖLFLEX HEAT 180 SiF 1    | Lapp 0050104 | 1                             | 2,5                 | red          | 9.6                  | 15.0           |
| ÖLFLEX HEAT 180 SiF 1    | Lapp 0050105 | 1                             | 2,5                 | white        | 9.6                  | 15.0           |
| ÖLFLEX HEAT 180 SiF 1    | Lapp 0050106 | 1                             | 2,5                 | grey         | 9.6                  | 15.0           |
| ÖLFLEX HEAT 180 SiF 1,5  | Lapp 0051000 | 1,5                           | 2,8                 | green/yellow | 14.4                 | 20.0           |
| ÖLFLEX HEAT 180 SiF 1,5  | Lapp 0051001 | 1,5                           | 2,8                 | black        | 14.4                 | 20.0           |

DATASHEET FOR ÖLFLEX HEAT 180 SiF 2,5\_ by

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# ÖLFLEX HEAT 180 SiF 2,5\_

Lapp 0052105



| Product Name            | Lapp Nr.     | Conductor cross-section (mm²) | Outer diameter (mm) | Core colour  | Copper index (kg/km) | Weight (kg/km) |
|-------------------------|--------------|-------------------------------|---------------------|--------------|----------------------|----------------|
| ÖLFLEX HEAT 180 SiF 1,5 | Lapp 0051002 | 1,5                           | 2,8                 | blue         | 14.4                 | 20.0           |
| ÖLFLEX HEAT 180 SiF 1,5 | Lapp 0051003 | 1,5                           | 2,8                 | brown        | 14.4                 | 20.0           |
| ÖLFLEX HEAT 180 SiF 1,5 | Lapp 0051005 | 1,5                           | 2,8                 | yellow       | 14.4                 | 20.0           |
| ÖLFLEX HEAT 180 SiF 1,5 | Lapp 0051006 | 1,5                           | 2,8                 | green        | 14.4                 | 20.0           |
| ÖLFLEX HEAT 180 SiF 1,5 | Lapp 0051007 | 1,5                           | 2,8                 | violet       | 14.4                 | 20.0           |
| ÖLFLEX HEAT 180 SiF 1,5 | Lapp 0051008 | 1,5                           | 2,8                 | pink         | 14.4                 | 20.0           |
| ÖLFLEX HEAT 180 SiF 1,5 | Lapp 0051009 | 1,5                           | 2,8                 | orange       | 14.4                 | 20.0           |
| ÖLFLEX HEAT 180 SiF 1,5 | Lapp 0051104 | 1,5                           | 2,8                 | red          | 14.4                 | 20.0           |
| ÖLFLEX HEAT 180 SiF 1,5 | Lapp 0051105 | 1,5                           | 2,8                 | white        | 14.4                 | 20.0           |
| ÖLFLEX HEAT 180 SiF 1,5 | Lapp 0051106 | 1,5                           | 2,8                 | grey         | 14.4                 | 20.0           |
| ÖLFLEX HEAT 180 SiF 2,5 | Lapp 0052000 | 2,5                           | 3,4                 | green/yellow | 24.0                 | 32.0           |
| ÖLFLEX HEAT 180 SiF 2,5 | Lapp 0052001 | 2,5                           | 3,4                 | black        | 24.0                 | 32.0           |
| ÖLFLEX HEAT 180 SiF 2,5 | Lapp 0052002 | 2,5                           | 3,4                 | blue         | 24.0                 | 32.0           |
| ÖLFLEX HEAT 180 SiF 2,5 | Lapp 0052003 | 2,5                           | 3,4                 | brown        | 24.0                 | 32.0           |
| ÖLFLEX HEAT 180 SiF 2,5 | Lapp 0052005 | 2,5                           | 3,4                 | yellow       | 24.0                 | 32.0           |
| ÖLFLEX HEAT 180 SiF 2,5 | Lapp 0052006 | 2,5                           | 3,4                 | green        | 24.0                 | 32.0           |
| ÖLFLEX HEAT 180 SiF 2,5 | Lapp 0052007 | 2,5                           | 3,4                 | violet       | 24.0                 | 32.0           |
| ÖLFLEX HEAT 180 SiF 2,5 | Lapp 0052104 | 2,5                           | 3,4                 | red          | 24.0                 | 32.0           |
| ÖLFLEX HEAT 180 SiF 2,5 | Lapp 0052105 | 2,5                           | 3,4                 | white        | 24.0                 | 32.0           |
| ÖLFLEX HEAT 180 SiF 2,5 | Lapp 0052106 | 2,5                           | 3,4                 | grey         | 24.0                 | 32.0           |
| ÖLFLEX HEAT 180 SiF 4   | Lapp 0053000 | 4                             | 4,2                 | green/yellow | 38.0                 | 50.0           |
| ÖLFLEX HEAT 180 SiF 4   | Lapp 0053001 | 4                             | 4,2                 | black        | 38.0                 | 50.0           |
| ÖLFLEX HEAT 180 SiF 4   | Lapp 0053002 | 4                             | 4,2                 | blue         | 38.0                 | 50.0           |
| ÖLFLEX HEAT 180 SiF 4   | Lapp 0053003 | 4                             | 4,2                 | brown        | 38.0                 | 50.0           |
| ÖLFLEX HEAT 180 SiF 4   | Lapp 0053005 | 4                             | 4,2                 | yellow       | 38.0                 | 50.0           |
| ÖLFLEX HEAT 180 SiF 4   | Lapp 0053006 | 4                             | 4,2                 | green        | 38.0                 | 50.0           |

# ÖLFLEX HEAT 180 SiF 2,5\_

Lapp 0052105



| Product Name           | Lapp Nr.     | Conductor cross-section (mm²) | Outer diameter (mm) | Core colour  | Copper index (kg/km) | Weight (kg/km) |
|------------------------|--------------|-------------------------------|---------------------|--------------|----------------------|----------------|
| ÖLFLEX HEAT 180 SiF 4  | Lapp 0053009 | 4                             | 4,2                 | orange       | 38.0                 | 50.0           |
| ÖLFLEX HEAT 180 SiF 4  | Lapp 0053104 | 4                             | 4,2                 | red          | 38.0                 | 50.0           |
| ÖLFLEX HEAT 180 SiF 4  | Lapp 0053105 | 4                             | 4,2                 | white        | 38.0                 | 50.0           |
| ÖLFLEX HEAT 180 SiF 4  | Lapp 0053106 | 4                             | 4,2                 | grey         | 38.0                 | 50.0           |
| ÖLFLEX HEAT 180 SiF 6  | Lapp 0054000 | 6                             | 5.0                 | green/yellow | 58.0                 | 73.0           |
| ÖLFLEX HEAT 180 SiF 6  | Lapp 0054001 | 6                             | 5.0                 | black        | 58.0                 | 73.0           |
| ÖLFLEX HEAT 180 SiF 6  | Lapp 0054002 | 6                             | 5.0                 | blue         | 58.0                 | 73.0           |
| ÖLFLEX HEAT 180 SiF 6  | Lapp 0054003 | 6                             | 5.0                 | brown        | 58.0                 | 73.0           |
| ÖLFLEX HEAT 180 SiF 6  | Lapp 0054004 | 6                             | 5.0                 | beige        | 58.0                 | 73.0           |
| ÖLFLEX HEAT 180 SiF 6  | Lapp 0054005 | 6                             | 5.0                 | yellow       | 58.0                 | 73.0           |
| ÖLFLEX HEAT 180 SiF 6  | Lapp 0054006 | 6                             | 5.0                 | green        | 58.0                 | 73.0           |
| ÖLFLEX HEAT 180 SiF 6  | Lapp 0054104 | 6                             | 5.0                 | red          | 58.0                 | 73.0           |
| ÖLFLEX HEAT 180 SiF 6  | Lapp 0054105 | 6                             | 5.0                 | white        | 58.0                 | 73.0           |
| ÖLFLEX HEAT 180 SiF 6  | Lapp 0054106 | 6                             | 5.0                 | grey         | 58.0                 | 73.0           |
| ÖLFLEX HEAT 180 SiF 10 | Lapp 0055000 | 10                            | 6,6                 | green/yellow | 96.0                 | 118.0          |
| ÖLFLEX HEAT 180 SiF 10 | Lapp 0055001 | 10                            | 6,6                 | black        | 96.0                 | 118.0          |
| ÖLFLEX HEAT 180 SiF 10 | Lapp 0055002 | 10                            | 6,6                 | blue         | 96.0                 | 118.0          |
| ÖLFLEX HEAT 180 SiF 10 | Lapp 0055003 | 10                            | 6,6                 | brown        | 96.0                 | 118.0          |
| ÖLFLEX HEAT 180 SiF 10 | Lapp 0055009 | 10                            | 6,6                 | orange       | 96.0                 | 118.0          |
| ÖLFLEX HEAT 180 SiF 10 | Lapp 0055104 | 10                            | 6,6                 | red          | 96.0                 | 118.0          |
| ÖLFLEX HEAT 180 SiF 10 | Lapp 0055106 | 10                            | 6,6                 | grey         | 96.0                 | 118.0          |
| ÖLFLEX HEAT 180 SiF 16 | Lapp 0056000 | 16                            | 7,4                 | green/yellow | 154.0                | 177.0          |
| ÖLFLEX HEAT 180 SiF 16 | Lapp 0056001 | 16                            | 7,4                 | black        | 154.0                | 177.0          |
| ÖLFLEX HEAT 180 SiF 16 | Lapp 0056002 | 16                            | 7,4                 | blue         | 154.0                | 177.0          |
| ÖLFLEX HEAT 180 SiF 16 | Lapp 0056104 | 16                            | 7,4                 | red          | 154.0                | 177.0          |
| ÖLFLEX HEAT 180 SiF 16 | Lapp 0056106 | 16                            | 7,4                 | grey         | 154.0                | 177.0          |

DATASHEET FOR ÖLFLEX HEAT 180 SiF 2,5\_ by

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# ÖLFLEX HEAT 180 SiF 2,5\_

Lapp 0052105



| Product Name            | Lapp Nr.     | Conductor cross-section (mm²) | Outer diameter (mm) | Core colour  | Copper index (kg/km) | Weight (kg/km) |
|-------------------------|--------------|-------------------------------|---------------------|--------------|----------------------|----------------|
| ÖLFLEX HEAT 180 SiF 25  | Lapp 0057000 | 25                            | 9,2                 | green/yellow | 240.0                | 277.0          |
| ÖLFLEX HEAT 180 SiF 25  | Lapp 0057001 | 25                            | 9,2                 | black        | 240.0                | 277.0          |
| ÖLFLEX HEAT 180 SiF 25  | Lapp 0057002 | 25                            | 9,2                 | blue         | 240.0                | 277.0          |
| ÖLFLEX HEAT 180 SiF 25  | Lapp 0057104 | 25                            | 9,2                 | red          | 240.0                | 277.0          |
| ÖLFLEX HEAT 180 SiF 25  | Lapp 0057106 | 25                            | 9,2                 | grey         | 240.0                | 277.0          |
| ÖLFLEX HEAT 180 SiF 35  | Lapp 0058000 | 35                            | 10,3                | green/yellow | 336.0                | 374.0          |
| ÖLFLEX HEAT 180 SiF 35  | Lapp 0058001 | 35                            | 10,3                | black        | 336.0                | 374.0          |
| ÖLFLEX HEAT 180 SiF 35  | Lapp 0058002 | 35                            | 10,3                | blue         | 336.0                | 374.0          |
| ÖLFLEX HEAT 180 SiF 35  | Lapp 0058104 | 35                            | 10,3                | red          | 336.0                | 374.0          |
| ÖLFLEX HEAT 180 SiF 50  | Lapp 0059000 | 50                            | 12,2                | green/yellow | 480.0                | 530.0          |
| ÖLFLEX HEAT 180 SiF 50  | Lapp 0059001 | 50                            | 12,2                | black        | 480.0                | 530.0          |
| ÖLFLEX HEAT 180 SiF 50  | Lapp 0059104 | 50                            | 12,2                | red          | 480.0                | 530.0          |
| ÖLFLEX HEAT 180 SiF 70  | Lapp 0060000 | 70                            | 14,2                | green/yellow | 672.0                | 724.0          |
| ÖLFLEX HEAT 180 SiF 70  | Lapp 0060001 | 70                            | 14,2                | black        | 672.0                | 724.0          |
| ÖLFLEX HEAT 180 SiF 70  | Lapp 0060002 | 70                            | 14,2                | blue         | 672.0                | 724.0          |
| ÖLFLEX HEAT 180 SiF 95  | Lapp 0061000 | 95                            | 16,6                | green/yellow | 912.0                | 982.0          |
| ÖLFLEX HEAT 180 SiF 95  | Lapp 0061001 | 95                            | 16,6                | black        | 912.0                | 982.0          |
| ÖLFLEX HEAT 180 SiF 95  | Lapp 0061105 | 95                            | 16,6                | white        | 912.0                | 982.0          |
| ÖLFLEX HEAT 180 SiF 120 | Lapp 0062000 | 120                           | 18.0                | green/yellow | 1152.0               | 1219.0         |
| ÖLFLEX HEAT 180 SiF 120 | Lapp 0062001 | 120                           | 18.0                | black        | 1152.0               | 1219.0         |
| ÖLFLEX HEAT 180 SiF 150 | Lapp 0063001 | 150                           | 20.0                | black        | 1440.0               | 1524.0         |
| ÖLFLEX HEAT 180 SiF 185 | Lapp 0064001 | 185                           | 22,5                | black        | 1776.0               | 1915.0         |