



**Description:** ÖLFLEX HEAT 205 SC 0.25\_

**Lapp code:** Lapp 0081002

The **Test voltage** of the cable Lapp 0081002 is 2500 V.

## Application range

- Conventional cables are not designed for use in environments with very high operating temperatures, heavy usage of chemical agents, or tight spaces
- Typical fields of application
  - Control cabinets with high heat generation
  - Measuring instruments
  - Furnaces and brickworks
  - Heating equipment and kitchen appliances
  - Electric motor building
  - Installations in the chemical industry

## Product Make-up

- Fine-wire, tinned-copper conductor
- FEP core insulation

In our Cable list on next page you can find all interesting information acc. article Lapp 0081002 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 205 SC 0.14 | Lapp 0080001 | 0.14                          | 1.0                 | black        | 1.35                 | 2.6            |
| ÖLFLEX HEAT 205 SC 0.14 | Lapp 0080002 | 0.14                          | 1.0                 | blue         | 1.35                 | 2.6            |
| ÖLFLEX HEAT 205 SC 0.14 | Lapp 0080005 | 0.14                          | 1.0                 | yellow       | 1.35                 | 2.6            |
| ÖLFLEX HEAT 205 SC 0.14 | Lapp 0080006 | 0.14                          | 1.0                 | green        | 1.35                 | 2.6            |
| ÖLFLEX HEAT 205 SC 0.14 | Lapp 0080010 | 0.14                          | 1.0                 | transparent  | 1.35                 | 2.6            |
| ÖLFLEX HEAT 205 SC 0.14 | Lapp 0080104 | 0.14                          | 1.0                 | red          | 1.35                 | 2.6            |
| ÖLFLEX HEAT 205 SC 0.14 | Lapp 0080105 | 0.14                          | 1.0                 | white        | 1.35                 | 2.6            |
| ÖLFLEX HEAT 205 SC 0.25 | Lapp 0081001 | 0.25                          | 1,2                 | black        | 2.4                  | 4              |
| ÖLFLEX HEAT 205 SC 0.25 | Lapp 0081002 | 0.25                          | 1,2                 | blue         | 2.4                  | 4              |
| ÖLFLEX HEAT 205 SC 0.25 | Lapp 0081003 | 0.25                          | 1,2                 | brown        | 2.4                  | 4              |
| ÖLFLEX HEAT 205 SC 0.25 | Lapp 0081005 | 0.25                          | 1,2                 | yellow       | 2.4                  | 4              |
| ÖLFLEX HEAT 205 SC 0.25 | Lapp 0081006 | 0.25                          | 1,2                 | green        | 2.4                  | 4              |
| ÖLFLEX HEAT 205 SC 0.25 | Lapp 0081009 | 0.25                          | 1,2                 | orange       | 2.4                  | 4              |
| ÖLFLEX HEAT 205 SC 0.25 | Lapp 0081010 | 0.25                          | 1,2                 | transparent  | 2.4                  | 4              |
| ÖLFLEX HEAT 205 SC 0.25 | Lapp 0081104 | 0.25                          | 1,2                 | red          | 2.4                  | 4              |
| ÖLFLEX HEAT 205 SC 0.25 | Lapp 0081105 | 0.25                          | 1,2                 | white        | 2.4                  | 4              |
| ÖLFLEX HEAT 205 SC 0.25 | Lapp 0081106 | 0.25                          | 1,2                 | grey         | 2.4                  | 4              |
| ÖLFLEX HEAT 205 SC 0.5  | Lapp 0082000 | 0.5                           | 1,45                | green/yellow | 4.8                  | 6.8            |
| ÖLFLEX HEAT 205 SC 0.5  | Lapp 0082001 | 0.5                           | 1,45                | black        | 4.8                  | 6.8            |
| ÖLFLEX HEAT 205 SC 0.5  | Lapp 0082002 | 0.5                           | 1,45                | blue         | 4.8                  | 6.8            |
| ÖLFLEX HEAT 205 SC 0.5  | Lapp 0082003 | 0.5                           | 1,45                | brown        | 4.8                  | 6.8            |
| ÖLFLEX HEAT 205 SC 0.5  | Lapp 0082005 | 0.5                           | 1,45                | yellow       | 4.8                  | 6.8            |
| ÖLFLEX HEAT 205 SC 0.5  | Lapp 0082006 | 0.5                           | 1,45                | green        | 4.8                  | 6.8            |
| ÖLFLEX HEAT 205 SC 0.5  | Lapp 0082007 | 0.5                           | 1,45                | violet       | 4.8                  | 6.8            |
| ÖLFLEX HEAT 205 SC 0.5  | Lapp 0082009 | 0.5                           | 1,45                | orange       | 4.8                  | 6.8            |

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| Product Name            | Lapp Nr.     | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter (mm) | Core colour  | Copper index (kg/km) | Weight (kg/km) |
|-------------------------|--------------|--|---------------------|--------------|----------------------|----------------|
| ÖLFLEX HEAT 205 SC 0.5  | Lapp 0082010 | 0.5  | 1,45                | transparent  | 4.8                  | 6.8            |
| ÖLFLEX HEAT 205 SC 0.5  | Lapp 0082104 | 0.5  | 1,45                | red          | 4.8                  | 6.8            |
| ÖLFLEX HEAT 205 SC 0.5  | Lapp 0082105 | 0.5  | 1,45                | white        | 4.8                  | 6.8            |
| ÖLFLEX HEAT 205 SC 0.5  | Lapp 0082106 | 0.5  | 1,45                | grey         | 4.8                  | 6.8            |
| ÖLFLEX HEAT 205 SC 0.75 | Lapp 0083000 | 0.75                                       | 1,8                 | green/yellow | 7.2                  | 10.1           |
| ÖLFLEX HEAT 205 SC 0.75 | Lapp 0083001 | 0.75                                       | 1,8                 | black        | 7.2                  | 10.1           |
| ÖLFLEX HEAT 205 SC 0.75 | Lapp 0083002 | 0.75                                       | 1,8                 | blue         | 7.2                  | 10.1           |
| ÖLFLEX HEAT 205 SC 0.75 | Lapp 0083003 | 0.75                                       | 1,8                 | brown        | 7.2                  | 10.1           |
| ÖLFLEX HEAT 205 SC 0.75 | Lapp 0083005 | 0.75                                       | 1,8                 | yellow       | 7.2                  | 10.1           |
| ÖLFLEX HEAT 205 SC 0.75 | Lapp 0083006 | 0.75                                       | 1,8                 | green        | 7.2                  | 10.1           |
| ÖLFLEX HEAT 205 SC 0.75 | Lapp 0083008 | 0.75                                       | 1,8                 | pink         | 7.2                  | 10.1           |
| ÖLFLEX HEAT 205 SC 0.75 | Lapp 0083010 | 0.75                                       | 1,8                 | transparent  | 7.2                  | 10.1           |
| ÖLFLEX HEAT 205 SC 0.75 | Lapp 0083104 | 0.75                                       | 1,8                 | red          | 7.2                  | 10.1           |
| ÖLFLEX HEAT 205 SC 0.75 | Lapp 0083105 | 0.75                                       | 1,8                 | white        | 7.2                  | 10.1           |
| ÖLFLEX HEAT 205 SC 1    | Lapp 0084000 | 1  | 1,95                | green/yellow | 9.6                  | 12.8           |
| ÖLFLEX HEAT 205 SC 1    | Lapp 0084001 | 1  | 1,95                | black        | 9.6                  | 12.8           |
| ÖLFLEX HEAT 205 SC 1    | Lapp 0084002 | 1  | 1,95                | blue         | 9.6                  | 12.8           |
| ÖLFLEX HEAT 205 SC 1    | Lapp 0084003 | 1  | 1,95                | brown        | 9.6                  | 12.8           |
| ÖLFLEX HEAT 205 SC 1    | Lapp 0084005 | 1  | 1,95                | yellow       | 9.6                  | 12.8           |
| ÖLFLEX HEAT 205 SC 1    | Lapp 0084006 | 1  | 1,95                | green        | 9.6                  | 12.8           |
| ÖLFLEX HEAT 205 SC 1    | Lapp 0084007 | 1  | 1,95                | violet       | 9.6                  | 12.8           |
| ÖLFLEX HEAT 205 SC 1    | Lapp 0084010 | 1  | 1,95                | transparent  | 9.6                  | 12.8           |
| ÖLFLEX HEAT 205 SC 1    | Lapp 0084104 | 1  | 1,95                | red          | 9.6                  | 12.8           |
| ÖLFLEX HEAT 205 SC 1    | Lapp 0084105 | 1  | 1,95                | white        | 9.6                  | 12.8           |
| ÖLFLEX HEAT 205 SC 1    | Lapp 0084106 | 1  | 1,95                | grey         | 9.6                  | 12.8           |
| ÖLFLEX HEAT 205 SC 1.5  | Lapp 0085000 | 1.5  | 2,1                 | green/yellow | 14.4                 | 18             |

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| Product Name           | Lapp Nr.     | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter (mm) | Core colour  | Copper index (kg/km) | Weight (kg/km) |
|------------------------|--------------|--|---------------------|--------------|----------------------|----------------|
| ÖLFLEX HEAT 205 SC 1.5 | Lapp 0085001 | 1.5  | 2,1                 | black        | 14.4                 | 18             |
| ÖLFLEX HEAT 205 SC 1.5 | Lapp 0085002 | 1.5  | 2,1                 | blue         | 14.4                 | 18             |
| ÖLFLEX HEAT 205 SC 1.5 | Lapp 0085003 | 1.5  | 2,1                 | brown        | 14.4                 | 18             |
| ÖLFLEX HEAT 205 SC 1.5 | Lapp 0085005 | 1.5  | 2,1                 | yellow       | 14.4                 | 18             |
| ÖLFLEX HEAT 205 SC 1.5 | Lapp 0085010 | 1.5  | 2,1                 | transparent  | 14.4                 | 18             |
| ÖLFLEX HEAT 205 SC 1.5 | Lapp 0085104 | 1.5  | 2,1                 | red          | 14.4                 | 18             |
| ÖLFLEX HEAT 205 SC 1.5 | Lapp 0085105 | 1.5  | 2,1                 | white        | 14.4                 | 18             |
| ÖLFLEX HEAT 205 SC 2.5 | Lapp 0086000 | 2.5  | 2,6                 | green/yellow | 24.0                 | 29.5           |
| ÖLFLEX HEAT 205 SC 2.5 | Lapp 0086001 | 2.5  | 2,6                 | black        | 24.0                 | 29.5           |
| ÖLFLEX HEAT 205 SC 2.5 | Lapp 0086002 | 2.5  | 2,6                 | blue         | 24.0                 | 29.5           |
| ÖLFLEX HEAT 205 SC 2.5 | Lapp 0086003 | 2.5  | 2,6                 | brown        | 24.0                 | 29.5           |
| ÖLFLEX HEAT 205 SC 2.5 | Lapp 0086007 | 2.5  | 2,6                 | violet       | 24.0                 | 29.5           |
| ÖLFLEX HEAT 205 SC 2.5 | Lapp 0086010 | 2.5  | 2,6                 | transparent  | 24.0                 | 29.5           |
| ÖLFLEX HEAT 205 SC 2.5 | Lapp 0086104 | 2.5  | 2,6                 | red          | 24.0                 | 29.5           |
| ÖLFLEX HEAT 205 SC 2.5 | Lapp 0086105 | 2.5  | 2,6                 | white        | 24.0                 | 29.5           |
| ÖLFLEX HEAT 205 SC 2.5 | Lapp 0086106 | 2.5  | 2,6                 | grey         | 24.0                 | 29.5           |
| ÖLFLEX HEAT 205 SC 4   | Lapp 0087000 | 4  | 3,1                 | green/yellow | 38.0                 | 45             |
| ÖLFLEX HEAT 205 SC 4   | Lapp 0087001 | 4  | 3,1                 | black        | 38.0                 | 45             |
| ÖLFLEX HEAT 205 SC 4   | Lapp 0087002 | 4  | 3,1                 | blue         | 38.0                 | 45             |
| ÖLFLEX HEAT 205 SC 4   | Lapp 0087003 | 4  | 3,1                 | brown        | 38.0                 | 45             |
| ÖLFLEX HEAT 205 SC 4   | Lapp 0087005 | 4  | 3,1                 | yellow       | 38.0                 | 45             |
| ÖLFLEX HEAT 205 SC 4   | Lapp 0087010 | 4  | 3,1                 | transparent  | 38.0                 | 45             |
| ÖLFLEX HEAT 205 SC 4   | Lapp 0087104 | 4  | 3,1                 | red          | 38.0                 | 45             |
| ÖLFLEX HEAT 205 SC 4   | Lapp 0087105 | 4  | 3,1                 | white        | 38.0                 | 45             |
| ÖLFLEX HEAT 205 SC 6   | Lapp 0088000 | 6  | 3,8                 | green/yellow | 58.0                 | 68             |
| ÖLFLEX HEAT 205 SC 6   | Lapp 0088001 | 6  | 3,8                 | black        | 58.0                 | 68             |

DATASHEET FOR ÖLFLEX HEAT 205 SC 0.25\_ by

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| Product Name          | Lapp Nr.     | Conductor cross-section (mm²) | Outer diameter (mm) | Core colour  | Copper index (kg/km) | Weight (kg/km) |
|-----------------------|--------------|-------------------------------|---------------------|--------------|----------------------|----------------|
| ÖLFLEX HEAT 205 SC 6  | Lapp 0088002 | 6                             | 3,8                 | blue         | 58.0                 | 68             |
| ÖLFLEX HEAT 205 SC 6  | Lapp 0088003 | 6                             | 3,8                 | brown        | 58.0                 | 68             |
| ÖLFLEX HEAT 205 SC 6  | Lapp 0088010 | 6                             | 3,8                 | transparent  | 58.0                 | 68             |
| ÖLFLEX HEAT 205 SC 6  | Lapp 0088104 | 6                             | 3,8                 | red          | 58.0                 | 68             |
| ÖLFLEX HEAT 205 SC 10 | Lapp 0089000 | 10                            | 4,7                 | green/yellow | 96.0                 | 116            |
| ÖLFLEX HEAT 205 SC 10 | Lapp 0089001 | 10                            | 4,7                 | black        | 96.0                 | 116            |
| ÖLFLEX HEAT 205 SC 10 | Lapp 0089002 | 10                            | 4,7                 | blue         | 96.0                 | 116            |
| ÖLFLEX HEAT 205 SC 10 | Lapp 0089003 | 10                            | 4,7                 | brown        | 96.0                 | 116            |
| ÖLFLEX HEAT 205 SC 10 | Lapp 0089010 | 10                            | 4,7                 | transparent  | 96.0                 | 116            |
| ÖLFLEX HEAT 205 SC 10 | Lapp 0089104 | 10                            | 4,7                 | red          | 96.0                 | 116            |
| ÖLFLEX HEAT 205 SC 10 | Lapp 0089105 | 10                            | 4,7                 | white        | 96.0                 | 116            |
| ÖLFLEX HEAT 205 SC 10 | Lapp 0089106 | 10                            | 4,7                 | grey         | 96.0                 | 116            |
| ÖLFLEX HEAT 205 SC 16 | Lapp 0090000 | 16                            | 6,6                 | green/yellow | 154.0                | 175            |
| ÖLFLEX HEAT 205 SC 16 | Lapp 0090001 | 16                            | 6,6                 | black        | 154.0                | 175            |
| ÖLFLEX HEAT 205 SC 16 | Lapp 0090002 | 16                            | 6,6                 | blue         | 154.0                | 175            |
| ÖLFLEX HEAT 205 SC 16 | Lapp 0090104 | 16                            | 6,6                 | red          | 154.0                | 175            |