

# Special Cables

## Special single conductor

glass fiber insulated strands with excellent temperature resistance

excellent  
temperature  
resistance

+400 °C



**Application:** e.g. in metallurgy and rolling mill technology.

### Construction:

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Conductor:</b>      | nickel-plated copper strands         |
| <b>Wrapping:</b>       | multiple wrapping with mica tape     |
| <b>Braiding:</b>       | glass fiber                          |
| <b>Impregnation:</b>   | PTFE impregnating lacquer            |
| <b>Identification:</b> | red tracer thread in external screen |

### Technical data:

|                                       |   |
|---------------------------------------|---|
| <b>Nominal voltage:</b>               | U <sub>0</sub> /U 300/500 V   |
| <b>Testing voltage:</b>               | 2200 V  |
| <b>Min. bending radius:</b>           | 5 x d   |
| <b>Temperature range</b>              |   |
| <i>fixed laying:</i>                  | max. +400°C   |
| <i>flexible application:</i>          | max. +400°C   |
| <b>Fire performance:</b>              | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 |
| <b>Absence of harmful substances:</b> | acc. to RoHS directive of the European Union                                    |



### Outstanding features:

- excellent heat resistance
- flame resistant

| item no. | no. of cores<br>x cross section<br>n x mm <sup>2</sup> | largest<br>single wire<br>ø mm | outer-ø<br>approx.<br>mm | copper<br>figure<br>kg/km | cable<br>weight<br>≈ kg/km |
|----------|--|--------------------------------|--------------------------|---------------------------|----------------------------|
| 32869035 | 1 x 185,00   | 0,40                           | 23,7                     | 1776,0                    | 1855                       |

Other dimensions and colours are possible on request.



**Single conductor  
in other dimensions  
on request!**



Stahl-Zentrum / Georgsmarienhütte