

## FG200

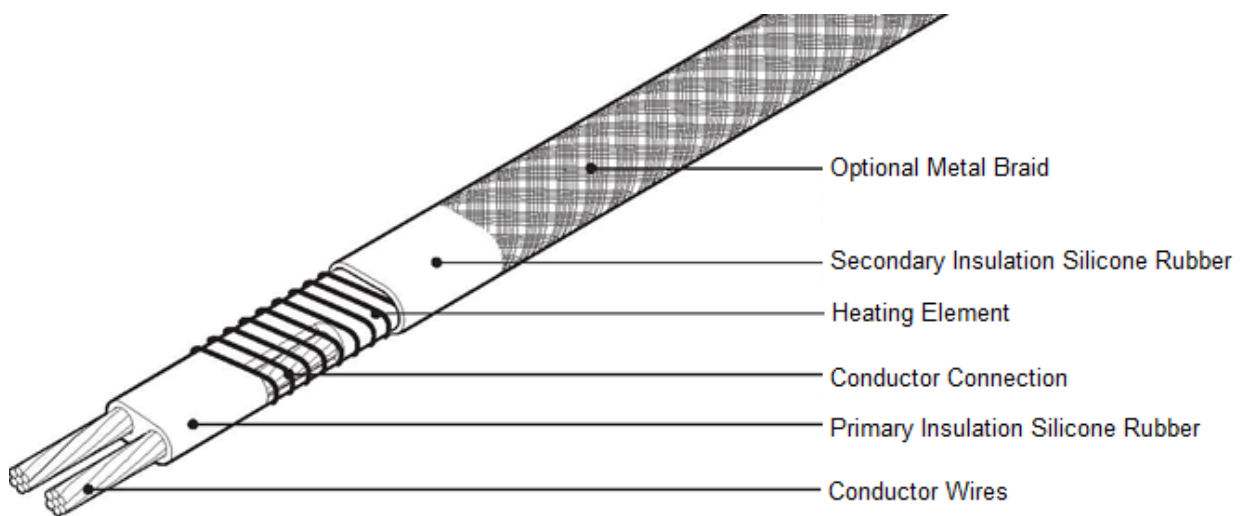
### Constant Wattage Parallel Circuit Heating Cable (for ordinary area use)

FG200 is a parallel circuit, medium wattage, constant power heating cable that can be cut to length to fit the application parameters. It is designed to operate in a variety of process applications in non-chemically aggressive environments where versatile flexibility and at site

assembly is required. FG200 comprises out of twin electrical conductors insulated with highly flexible silicone rubber as primary insulation. The heating element is spiraled around the primary conductor at pre-defined zone

lengths of 500mm. The secondary insulation is made out of flexible silicone rubber. For additional mechanical protection and electrical safety reasons the heating cable can be delivered with an optional metal braid.

#### Heating Cable Construction

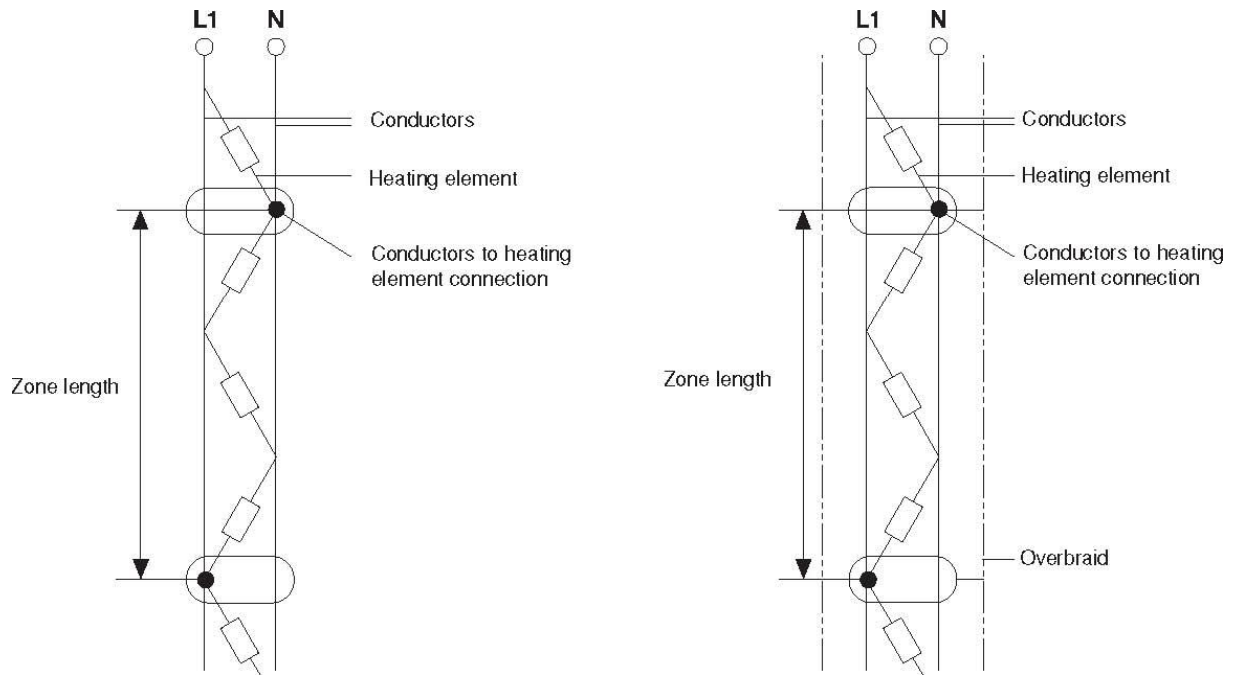


#### Technical Details

| Cable Specification                          | 10 W/m               | 20 W/m               | 30 W/m               | 40 W/m               |
|--|----------------------|----------------------|----------------------|----------------------|
| Size unbraided cable                         | 6.5 x 4.5 mm         | 6.5 x 4.5 mm         | 6.5 x 4.5 mm         | 6.5 x 4.5 mm         |
| Size braided cable                           | 6.8 x 4.8 mm         | 6.8 x 4.8 mm         | 6.8 x 4.8 mm         | 6.8 x 4.8 mm         |
| Power Output at AC 230 V                     | 10 W/m               | 20 W/m               | 30 W/m               | 40 W/m               |
| Power Output at AC 110 V                     | 10 W/m               | 20 W/m               | 30 W/m               | 40 W/m               |
| Area Classification                          | Ordinary             | Ordinary             | Ordinary             | Ordinary             |
| Max. poss. Circuit Length<br>AC 230 V        | 161 m                | 81 m                 | 54 m                 | 41 m                 |
| AC 110 V                                     | 77 m                 | 39 m                 | 26 m                 | 20 m                 |
| Max. withstand temperature<br>(de-energized) | 180°C                | 180°C                | 180°C                | 180°C                |
| Max. operating temperature<br>(energized)    | 180°C                | 180°C                | 180°C                | 180°C                |
| Min. Installation<br>Temperature             | -40°C                | -40°C                | -40°C                | -40°C                |
| Min. Bending Radius                          | 25 mm                | 25 mm                | 25 mm                | 25 mm                |
| Min. Spacing                                 | 20 mm                | 20 mm                | 20 mm                | 20 mm                |
| Color of Outer sheath                        | Transparent<br>White | Transparent<br>White | Transparent<br>White | Transparent<br>White |
| Max. poss. Lead Length*                      | 500 mm               | 500 mm               | 500 mm               | 500 mm               |

\*) without additional supply lead

## Wiring Diagram



## Ordering Details

|   |                      |                      |                      |                      |
|---|----------------------|----------------------|----------------------|----------------------|
| Part Description<br>unbraided cable<br>AC 230 V | FG200-10W/M-230V     | FG200-20W/M-230V     | FG200-30W/M-230V     | FG200-40W/M-230V     |
| <b>Part Number</b>                              | <b>1235-03670210</b> | <b>1235-03670220</b> | <b>1235-03670230</b> | <b>1235-03670240</b> |
| Part Description<br>unbraided cable<br>AC 110 V | FG200-10W/M-110V     | FG200-20W/M-110V     | FG200-30W/M-110V     | FG200-40W/M-110V     |
| <b>Part Number</b>                              | <b>1235-03670110</b> | <b>1235-03670120</b> | <b>1235-03670130</b> | <b>1235-03670140</b> |
| Part Description<br>braided cable<br>AC 230 V   | FG200B-10W/M-230V    | FG200B-20W/M-230V    | FG200B-30W/M-230V    | FG200B-40W/M-230V    |
| <b>Part Number</b>                              | <b>1235-03680210</b> | <b>1235-03680220</b> | <b>1235-03680230</b> | <b>1235-03680240</b> |
| Part Description<br>braided cable<br>AC 110 V   | FG200B-10W/M-110V    | FG200B-20W/M-110V    | FG200B-30W/M-110V    | FG200B-40W/M-110V    |
| <b>Part Number</b>                              | <b>1235-03680110</b> | <b>1235-03680120</b> | <b>1235-03680130</b> | <b>1235-03680140</b> |

## Accessories

|                                    |                          |                                 |                                    |  |
|------------------------------------|--------------------------|---------------------------------|------------------------------------|--|
| Part Description<br>Connection Kit | FG200-<br>CONNECTION-KIT | Part Description<br>Supply Lead | LTG/SI/2x0.75MM <sup>2</sup> /RDBN | Silicone rubber lead<br>w/o ground wire  |
| <b>Part Number</b>                 | <b>1235-03681000</b>     | <b>Part Number</b>              | <b>1235-34702401</b>               |  |
|                                    |                          | Part Description<br>Supply Lead | LTG/SI/3G0.75MM <sup>2</sup> /RDBN | Silicone rubber lead<br>with ground wire |
|                                    |                          | <b>Part Number</b>              | <b>1235-34704307</b>               |  |

We recommend the use of a 30mA residual current breaker device to provide maximum safety and protection from fire. If there is a marked increase in nuisance tripping, a maximum 300mA residual current breaker device may be used. In case of doubt please contact us.