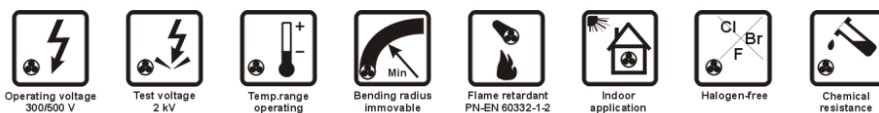


## H05S-U

page 1 of 1

### HEAT RESISTANT SILICONE INSULATED WIRES



### APPLICATIONS

**H05S-U** are silicone insulated wires intended for use in wide range of temperature. The wires are suitable for industrial applications, such as steel plants or cement, glass and ceramic factories. They are also used in lighting devices and systems.

The wires are halogen free, as well oil and chemical resistant.

### CONSTRUCTION

- tin-plated annealed copper single wire round conductors,
- silicone insulation, colours of insulation according to customer requirements.

### CHARACTERISTICS

|  |                 |            |             |            |            |            |
|--|-----------------|------------|-------------|------------|------------|------------|
| Conductor cross-section                  | mm <sup>2</sup> | <b>0,5</b> | <b>0,75</b> | <b>1,0</b> | <b>1,5</b> | <b>2,5</b> |
| DC conductor resistance at 20°C, maximum | Ω/km            | 36.7       | 24.8        | 18.2       | 12.2       | 7.58       |

|  |                      |                        |                                |
|--|----------------------|------------------------|--------------------------------|
| Operating voltage U <sub>0</sub> /U                            | 300/500 V            | Minimum bending radius |                                |
| Voltage test   | 2000 V rms           | for fixed installation | 4 x cable diameter             |
| Insulation resistance, minimum                                 | 20 MΩ·km             | Halogen-free           | PN-EN 60754-1, PN-EN 60754-2   |
| Conductor temperature limit<br>(adequate ventilation provided) | from - 60 to + 180°C | Cable combustibility   | flame retardant                |
| temporary  | + 200°C              | Combustibility tests   | PN-EN 60332-1-2, IEC 60332-1-2 |
|  |                      | Reference standards    | PN-EN 50525-2-41               |

**CE = the cable meets requirements of the low voltage directive 2014/35/EU**

| Product No. | Number of conductors x conductor cross-section | Cable outer diameter (appr.) | Copper index | Cable weight (appr.) |
|-------------|--|------------------------------|--------------|----------------------|
|             | mm <sup>2</sup>                                | mm                           | kg/km        | kg/km                |
| 1753 001    | 1 x 0,50                                       | 2.4                          | 4.8          | 7.7                  |
| 1753 002    | 1 x 0,75                                       | 2.6                          | 7.2          | 10.7                 |
| 1753 003    | 1 x 1,0  | 2.8                          | 9.6          | 12.8                 |
| 1753 004    | 1 x 1,5  | 3.2                          | 14.4         | 18.0                 |

| Product No. | Number of conductors x conductor cross-section | Cable outer diameter (appr.) | Copper index | Cable weight (appr.) |
|-------------|--|------------------------------|--------------|----------------------|
|             | mm <sup>2</sup>                                | mm                           | kg/km        | kg/km                |
| 1753 005    | 1 x 2,5  | 3.8                          | 24.0         | 28.9                 |

Other cross-sections and conductor counts available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.