

# Stranded Wires

## with Silicone Insulation, H05S-K



### Sheath Colours

Black
  Blue
  Brown
  Grey
  Red
  White
  Green / Yellow

High dielectric strength and moisture resistance ensuring the long-term reliability of the cables, even in moist and corrosive conditions

Ozone, UV light, and radiation resistant

Lighter weight than comparable cables with plastic or rubber insulation

Silicone rubbers do not support organic growth making them ideal for the food and medical industries

### APPLICATION:

Designed for use in environments where sustained heat resistance is required. These wires are low smoke zero halogen and are suitable for power plants, a wide range of industrial applications in processing, packaging, refrigeration, foundries, air craft construction and ship building .

### SPECIFICATION:

|                                 |                               |
|---------------------------------|-------------------------------|
| Wire Code                       | H05S-K                        |
| Cable type                      | Stranded                      |
| Shielding                       | unshielded                    |
| Conductor                       | Bare copper                   |
| Halogen-free                    | Yes                           |
| Conductor insulation            | Silicone                      |
| Packaging                       | Sold by reel                  |
| Original packaging              | 100 m                         |
| Rated voltage                   | 300/500 V                     |
| Standard                        | BS EN 50525-2-41, BS EN 60228 |
| Min. bending radius, not moving | 4 x line $\phi$               |
| Temperature range               | -60...+180 °C                 |

### PRODUCT RANGE:

| Art. Nr.      | Colour | Cross-section        | $\phi$ Sheath | Individual strands | Strand $\phi$ |
|---------------|--------|----------------------|---------------|--------------------|---------------|
| RND 475-00482 | blue   | 0.50 mm <sup>2</sup> | 2.1 mm        | 16                 | 0.19 mm       |
| RND 475-00483 | brown  | 0.50 mm <sup>2</sup> | 2.1 mm        | 16                 | 0.19 mm       |
| RND 475-00484 | grey   | 0.50 mm <sup>2</sup> | 2.1 mm        | 16                 | 0.19 mm       |
| RND 475-00485 | black  | 0.50 mm <sup>2</sup> | 2.1 mm        | 16                 | 0.19 mm       |
| RND 475-00486 | red    | 0.50 mm <sup>2</sup> | 2.1 mm        | 16                 | 0.19 mm       |
| RND 475-00487 | white  | 0.50 mm <sup>2</sup> | 2.1 mm        | 16                 | 0.19mm        |
| RND 475-00488 | blue   | 0.75 mm <sup>2</sup> | 2.3 mm        | 24                 | 0.19 mm       |
| RND 475-00489 | brown  | 0.75 mm <sup>2</sup> | 2.3 mm        | 24                 | 0.19 mm       |
| RND 475-00490 | grey   | 0.75 mm <sup>2</sup> | 2.3 mm        | 24                 | 0.19 mm       |
| RND 475-00491 | black  | 0.75 mm <sup>2</sup> | 2.3 mm        | 24                 | 0.19 mm       |
| RND 475-00492 | red    | 0.75 mm <sup>2</sup> | 2.3 mm        | 24                 | 0.19 mm       |
| RND 475-00493 | white  | 0.75 mm <sup>2</sup> | 2.3 mm        | 24                 | 0.19 mm       |
| RND 475-00494 | blue   | 1.00 mm <sup>2</sup> | 2.5 mm        | 32                 | 0.19 mm       |
| RND 475-00495 | brown  | 1.00 mm <sup>2</sup> | 2.5 mm        | 32                 | 0.19 mm       |
| RND 475-00496 | grey   | 1.00 mm <sup>2</sup> | 2.5 mm        | 32                 | 0.19 mm       |
| RND 475-00497 | black  | 1.00 mm <sup>2</sup> | 2.5 mm        | 32                 | 0.19 mm       |
| RND 475-00498 | red    | 1.00 mm <sup>2</sup> | 2.5 mm        | 32                 | 0.19 mm       |
| RND 475-00499 | white  | 1.00 mm <sup>2</sup> | 2.5 mm        | 32                 | 0.19 mm       |
| RND 475-00500 | blue   | 1.50 mm <sup>2</sup> | 2.8 mm        | 30                 | 0.24 mm       |
| RND 475-00501 | brown  | 1.50 mm <sup>2</sup> | 2.8 mm        | 30                 | 0.24 mm       |
| RND 475-00502 | grey   | 1.50 mm <sup>2</sup> | 2.8 mm        | 30                 | 0.24 mm       |

| <b>Art. Nr.</b> | <b>Colour</b>  | <b>Cross-section</b> | <b>ø Sheath</b> | <b>Individual strands</b> | <b>Strand ø</b> |
|-----------------|----------------|----------------------|-----------------|---------------------------|-----------------|
| RND 475-00503   | black          | 1.50 mm <sup>2</sup> | 2.8 mm          | 30                        | 0.24 mm         |
| RND 475-00504   | red            | 1.50 mm <sup>2</sup> | 2.8 mm          | 30                        | 0.24 mm         |
| RND 475-00505   | white          | 1.50 mm <sup>2</sup> | 2.8 mm          | 30                        | 0.24 mm         |
| RND 475-00506   | blue           | 2.50 mm <sup>2</sup> | 3.5 mm          | 50                        | 0.24 mm         |
| RND 475-00507   | brown          | 2.50 mm <sup>2</sup> | 3.5 mm          | 50                        | 0.24 mm         |
| RND 475-00508   | grey           | 2.50 mm <sup>2</sup> | 3.5 mm          | 50                        | 0.24 mm         |
| RND 475-00509   | black          | 2.50 mm <sup>2</sup> | 3.5 mm          | 50                        | 0.24 mm         |
| RND 475-00510   | red            | 2.50 mm <sup>2</sup> | 3.5 mm          | 50                        | 0.24 mm         |
| RND 475-00511   | white          | 2.50 mm <sup>2</sup> | 3.5 mm          | 50                        | 0.24 mm         |
| RND 475-00815   | green / yellow | 1.50 mm <sup>2</sup> | 2.8 mm          | 30                        | 0.24 mm         |
| RND 475-00816   | green / yellow | 2.50 mm <sup>2</sup> | 3.5 mm          | 50                        | 0.24 mm         |
| RND 475-00817   | green / yellow | 1.50 mm <sup>2</sup> | 2.8 mm          | 30                        | 0.24 mm         |
| RND 475-00818   | green / yellow | 1.00 mm <sup>2</sup> | 2.5 mm          | 32                        | 0.19 mm         |
| RND 475-00819   | green / yellow | 0.75 mm <sup>2</sup> | 2.3 mm          | 24                        | 0.19 mm         |