

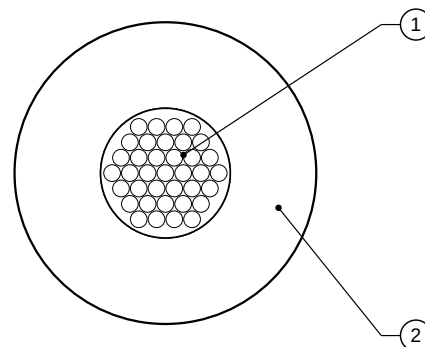
# AGR Class 5 Silicone Hook-Up Wire

SERIES TECHNICAL DATA

## CONSTRUCTION & TECHNICAL DATA

|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| Model                        | AGR                                                   |
| Cross-section range          | 0.3-16 mm <sup>2</sup> ; see listed sizes             |
| Construction                 | Single insulated conductor; no separate outer sheath. |
| Conductor material           | Tinned copper.                                        |
| Conductor class              | Class 5 (DIN VDE 0295 / IEC 60228).                   |
| Insulation material          | Silicone rubber.                                      |
| Insulation colour            | Specify the required colour with your enquiry.        |
| Rated voltage - U0/U         | See size table for the selected cross-section.        |
| Temperature - continuous     | -60°C to +180°C.                                      |
| Temperature - short duration | Up to +200°C; confirm exposure duration.              |
| Installation                 | Fixed installation and flexible wiring.               |
| Minimum bend radius - fixed  | 6 × finished wire outside diameter.                   |
| Ventilation                  | Provide appropriate ventilation above +100°C.         |

## CONSTRUCTION SECTION



1. Stranded tinned-copper conductor
2. Silicone rubber insulation

Representative section, not to scale. Strand count and packing, core positions and layer proportions are schematic.

## SIZE SPECIFICATIONS

| Cores | Size / core          | Nominal OD (mm) | Reference weight (kg/km) | Rated U0/U (V) |
|-------|----------------------|-----------------|--------------------------|----------------|
| 1     | 0.3 mm <sup>2</sup>  | 1.8             | 8                        | 300/300        |
| 1     | 0.5 mm <sup>2</sup>  | 2.2             | 9                        | 300/500        |
| 1     | 0.75 mm <sup>2</sup> | 2.4             | 12                       | 300/500        |
| 1     | 1 mm <sup>2</sup>    | 2.5             | 14.5                     | 300/500        |
| 1     | 1.5 mm <sup>2</sup>  | 3               | 20                       | 300/500        |
| 1     | 2.5 mm <sup>2</sup>  | 3.7             | 29.5                     | 300/500        |
| 1     | 4 mm <sup>2</sup>    | 4.2             | 46                       | 300/500        |
| 1     | 6 mm <sup>2</sup>    | 5               | 65                       | 300/500        |
| 1     | 10 mm <sup>2</sup>   | 6.8             | 122                      | 300/500        |
| 1     | 16 mm <sup>2</sup>   | 8               | 174                      | 300/500        |

Dimensions and weights are reference values. Final construction, tolerances, ratings, colours and supply requirements are subject to the agreed order specification.

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