

## SILICONE GS (tinned copper)

Silicone cables

Flexible single core cable with silicone rubber insulation.



### TECHNICAL DATA

|                              |   |
|------------------------------|---|
| Nominal tension              | 300/500 V   |
| Conditions of employment     | For high temperatures produced by engines, transformers, generators, electric equipment, wiring harnesses for household appliances and lighting purposes. |
| Type of electrical conductor | Flexible tinned copper  |
| Type of insulation           | Silicone rubber   |
| Color of the outer sheath    | On demand (one or two colours)  |
| Operating temperature        | -60° C   +180° C  |
| Short circuit temperature    | +230° C (max 5 sec)   |
| Test voltage                 | 2000 V  |
| Cable marking                | No markings on cable  |

### REFERENCES STANDARDS

|           |                     |
|-----------|---------------------|
| Conductor | EN 60228; IEC 60228 |
|-----------|---------------------|

## DIMENSIONS

| Nominal section      | Wires max diameter | Conductor diameter | Insulation thickness | Insulation diameter $\pm$ 0,1 | Minimum average external diameter | Medium outer diameter $\pm$ 0,1 | Electrical resistance 20°C | Approximate weight | CU Factor |
|----------------------|--------------------|--------------------|----------------------|-------------------------------|-----------------------------------|---------------------------------|----------------------------|--------------------|-----------|
| (Nxmm <sup>2</sup> ) | (mm)               | (mm)               | (mm)                 | (mm)                          | (mm)                              | (mm)                            | (?/km)                     | (kg/km)            | (kg/km)   |
| 1x0,50               | 0,21               | N/A                | 0,60                 | N/A                           | N/A                               | 2,05                            | 40,1000                    | 9,50               | 4,8000    |
| 1x0,75               | 0,21               | N/A                | 0,60                 | N/A                           | N/A                               | 2,35                            | 26,7000                    | 12,50              | 7,2000    |
| 1x1,00               | 0,21               | N/A                | 0,60                 | N/A                           | N/A                               | 2,45                            | 20,0000                    | 14,80              | 9,6000    |
| 1x1,50               | 0,26               | N/A                | 0,60                 | N/A                           | N/A                               | 2,75                            | 13,7000                    | 20,10              | 14,4000   |
| 1x2,50               | 0,26               | N/A                | 0,70                 | N/A                           | N/A                               | 3,35                            | 8,2100                     | 30,70              | 24,0000   |
| 1x4,00               | 0,31               | N/A                | 0,80                 | N/A                           | N/A                               | 4,15                            | 5,0900                     | 48,00              | 38,4000   |
| 1x6,00               | 0,31               | N/A                | 0,80                 | N/A                           | N/A                               | 4,60                            | 3,3900                     | 64,70              | 57,6000   |

## CORES IDENTIFICATION

| Cores number | Insulation colour sequence |
|--------------|----------------------------|
| 1            | NA                         |

Refer to the CEI EN 50565 standard series as a guide to the use of cables with nominal voltage not exceeding 450/750 V (U0/U) and to the CEI 20-92 standard as a guide for the handling and storage of wooden reels for cables electrical.

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