

SILICABLE® CSC and ECSC

Double insulating layer

-60 °C to +180 °C



- 1 • Flexible bare copper (ref. CSC) or tin-plated (ref. ECSC) core - class 5 as per IEC 60228.
- 2 • Insulation: Silicone rubber.

Approvals - standards

- Halogen-free: IEC 60754-1 / EN 60754-1.
- Low corrosivity of gas emissions: IEC 60754-2 / EN 60754-2.
 - Low smoke density: IEC 61034-2 / EN 61034-2.
 - Fire retardant: NF C 32-070 test C1.
- Safety of household and similar electrical appliances: NF EN 60335-1.

Applications

- Class 2 lighting equipment and convectors or any other household electrical appliance complying with standard NF EN 60335-1.
 - Cabling for rotating machines (class H).

Options

- Nickel-plated copper core: CNCSC.
 - Silver-plated copper core: ref. ACSC.
- Pure nickel core (not described in IEC 60228): ref. NCSC.
 - Outer electrical shielding: > Tin-plated copper braid: ref. CSCBE or ECSCBE.
 - Outer Flexible armour: > Galvanised steel braid: ref. CSCBG or ECSCBG.
 - > Stainless steel braid: ref. CSCBI or ECSCBI.
 - Stranded bare copper (ref. CSC) or tin-plated (ref. ECSC) core - class 2 as per IEC 60228: see details of the option below.
 - Solid bare copper (ref. RCSC) or tin-plated (ref. RECSC) core - class 1 as per IEC 60228: contact us.
- Other nominal cross-sections: contact us.
 - Other options and/or combinations of the options outlined above: contact us.

Characteristics

General

- Continuous operating temperatures: -60 °C to +180 °C.
- Good resistance to thermal shock and UV.

Electrical

- Rated voltage: 300/500 V.
- Test voltage: 3750 V.

Standard products

- Inner insulating layer: white.
- Outer insulating layer: all colours including two-coloured.

CSC and ECSC

Flexible core • class 5 as per IEC 60228

| Nominal cross-section (mm²) | Nominal stranding | Maximum linear resistance at 20 °C (Ω/km) (bare copper core) |
|-----------------------------|-------------------|--------------------------------------------------------------|
| 0.5 | 16 x 0.20 | 39.0 |
| 0.75 | 24 x 0.20 | 26.0 |
| 1 | 32 x 0.20 | 19.5 |
| 1.5 | 30 x 0.25 | 13.3 |
| 2.5 | 50 x 0.25 | 7.98 |
| 4 | 56 x 0.30 | 4.95 |
| 6 | 84 x 0.30 | 3.30 |
| 10 | 80 x 0.40 | 1.91 |
| 16 | 126 x 0.40 | 1.21 |
| 25 | 196 x 0.40 | 0.780 |
| 35 | 276 x 0.40 | 0.554 |
| 50 | 396 x 0.40 | 0.386 |

INSULATED WIRE OR CABLE

| Total nominal thickness of insulation (mm) | Nominal diameter (mm) | Approximate linear weight (kg/km) |
|--------------------------------------------|-----------------------|-----------------------------------|
| 0.7 | 2.4 | 10.2 |
| 0.7 | 2.6 | 13.1 |
| 0.7 | 2.8 | 16.1 |
| 0.8 | 3.2 | 22.2 |
| 0.9 | 3.8 | 33.9 |
| 1.0 | 4.6 | 52.3 |
| 1.2 | 5.6 | 78.0 |
| 1.4 | 7.2 | 128 |
| 1.6 | 8.6 | 192 |
| 2.0 | 10.8 | 301 |
| 2.0 | 12.2 | 406 |
| 2.2 | 14.9 | 592 |

Option • CSC and ECSC

Stranded core • class 2 as per IEC 60228

| Nominal cross-section (mm²) | Nominal stranding | Maximum linear resistance at 20 °C (Ω/km) |
|-----------------------------|-------------------|-------------------------------------------|
| 0.5 | 7 x 0.30 | 36.0 |
| 0.75 | 7 x 0.37 | 24.5 |
| 1 | 7 x 0.43 | 18.1 |
| 1.5 | 7 x 0.52 | 12.1 |
| 2.5 | 7 x 0.67 | 7.41 |
| 4 | 7 x 0.85 | 4.61 |
| 6 | 7 x 1.04 | 3.08 |

INSULATED WIRE

| Total nominal thickness of insulation (mm) | Nominal diameter (mm) | Approximate linear weight (kg/km) |
|--------------------------------------------|-----------------------|-----------------------------------|
| 0.7 | 2.3 | 9.6 |
| 0.7 | 2.5 | 12.6 |
| 0.7 | 2.7 | 15.6 |
| 0.8 | 3.2 | 22.4 |
| 0.9 | 3.8 | 34.2 |
| 1.0 | 4.6 | 52.7 |
| 1.2 | 5.5 | 77.2 |

For this product, please contact:

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