

Cables



CS : Silicone cable

CSPP : Silicone cable overbraided with polyester yarn and covered with PU varnish

| Characteristics | CS | CSPP |
|---|---------------------------------|---------------------------------|
| Temperature class | H | F |
| Minimum temperature | -60°C | -60°C |
| Maximum temperature | +180°C | +155°C |
| Peaks at | +230°C | +180°C |
| Resistance to UV | Good | Good |
| Ageing | Excellent | Excellent |
| Moisture resistance and chemical resistance | Good | Good |
| Working voltage | 500 V | 500 V |
| Test voltage | 2000 V | 2000 V |
| Breakdown voltage (Superior to) | 5000 V | 5000 V |
| Manufactured sections | From 0.25 to 95 mm ² | From 0.25 to 95 mm ² |
| Tolerances on weights and diameters | ±5% | ±5% |
| Colours | On request | On request |
| Packagings | On request | On request |

APPLICATIONS



| Nominal section (mm ²) | 0.25 | 0.5 | 0.75 | 1 | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 |
|---|---------|--------|--------|--------|---------|---------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| Composition | 14x0.25 | 16x0.2 | 24x0.2 | 32x0.2 | 30x0.25 | 50x0.25 | 56x0.3 | 84x0.3 | 80x0.4 | 126x0.4 | 196x0.4 | 276x0.4 | 396x0.4 | 560x0.4 | 485x0.4 |
| Nominal diameter (mm) | 0.7 | 0.9 | 1.2 | 1.3 | 1.6 | 2 | 2.6 | 3.6 | 4.8 | 6 | 7.5 | 8.8 | 10.7 | 12.8 | 14.8 |
| Copper mass (kg/km) | 2.4 | 4.8 | 7.2 | 9.6 | 14.4 | 24 | 38 | 58 | 96 | 154 | 240 | 336 | 480 | 672 | 912 |
| Outside diameter (mm) | 1.9 | 2.1 | 2.4 | 2.5 | 2.8 | 3.4 | 4.2 | 5.2 | 6.8 | 8.4 | 10.3 | 11.6 | 13.9 | 16 | 18.4 |
| Linear resistance at 20°C ohm/km | 75.5 | 38.2 | 25.4 | 19.1 | 12 | 7.62 | 4.85 | 3.23 | 1.85 | 1.18 | 0.75 | 0.53 | 0.37 | 0.26 | 0.2 |
| Maximum admissible intensity at 170°C (a) | 2 | 3.5 | 5.5 | 7 | 10 | 14 | 18 | 22 | 30 | 40 | 52 | 64 | 76 | 96 | 115 |

The technical information written on our datasheets correspond to the most recent knowledges we have on those products, but the user is not exempted to verify the performances in the real context of application.