

# SILIFLON® 6YA and 6YS

## VDE approval

### -90 °C to +180 °C

#### Approvals - standards

- 6YA: VDE approval as per standard DIN VDE 0250 Part 106 - Licence no. 106487.
- 6YS: VDE approval as per standard DIN VDE 0250 Part 106 - Licence no. 107583.



#### Applications

- Cabling in household electrical appliances, electronics.
- Cabling in hot or cold environments (cryogenics).
- Cabling in aggressive environments (humidity, chemicals, etc.).
- Cabling requiring compact size and excellent mechanical strength.

#### Characteristics General

- Continuous operating temperatures:
  - > Bare copper core: -90 °C to +130 °C.
  - > Tin-plated, nickel-plated or silver-plated copper core: -90 °C to +180 °C.
- Excellent resistance to aggressive chemical environments.
- Excellent resistance to humidity and UV.
- Excellent mechanical strength.

#### Electrical

	6YA	6YS
• Rated voltage:	450/750 V	300/500 V.
• Test voltage:	2500 V	2000 V.

#### Standard products

- All colours including translucent.

#### Options

- Flexible tin-plated copper core – ref. E6YA and E6YS: contact us.
- Flexible nickel-plated copper core – ref. CN6YA and CN6YS: contact us.
- Flexible silver-plated copper core – ref. A6YA and A6YS: contact us.
- Solid bare copper core – ref. R6YA and R6YS: see details of the option below.
- Solid tin-plated copper core – ref. RE6YA and RE6YS: contact us.

#### 6YA and 6YS

##### Flexible core • class 5 as per IEC 60228

Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
0.25*	19 x 0.13 or 7 x 0.22	80.7
0.5	16 x 0.20	39.0
0.6*	19 x 0.20	32.8
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

##### INSULATED WIRE

6YA			6YS		
Nominal thickness of insulation (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)	Nominal thickness of insulation (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)
0.40	1.45	5.1	0.30	1.25	4.2
0.40	1.7	7.6	0.30	1.5	6.5
0.40	1.7	8.5	0.30	1.5	7.4
0.40	1.85	9.9	0.30	1.65	8.7
0.40	2.0	12.2	0.30	1.8	10.9
0.50	2.4	17.9	0.30	2.0	14.9
0.60	3.1	29.8	0.35	2.6	25.0
0.60	3.8	46.7	0.40	3.4	41.9
0.60	4.3	65.6	0.40	3.9	60.1

#### Option • R6YA and R6YS

##### Solid core • class 1 as per IEC 60228

R6YA			R6YS		
Nominal cross-section (mm <sup>2</sup> )	Nominal diameter (mm)	Maximum linear resistance at 20 °C (Ω/km)	Nominal thickness of insulation (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)
0.25*	1 x 0.56	73.4	0.40	1.35	4.8
0.5	1 x 0.80	36.0	0.40	1.6	7.8
0.75	1 x 0.98	24.5	0.40	1.8	10.6
1	1 x 1.13	18.1	0.40	1.95	13.3
1.5	1 x 1.36	12.1	0.50	2.4	19.7
2.5	1 x 1.77	7.41	0.60	3.0	32.1
4	1 x 2.24	4.61	0.60	3.45	47.1
6	1 x 2.74	3.08	0.60	3.95	66.7

For this product, please contact:

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\* Nominal cross-sections not described in IEC 60228.

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LES CABLES DE L'EXTREME

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