FT 2110b

HIGH TEMPERATURE WIRES AND CABLES FOR THE GENERAL MARKET • SECTION II FLUOROPOLYMERS AND THERMOPLASTICS

SILIFLON® 51YS

VDE approval -90 °C to +250 °C



Approvals - standards

and excellent mechanical strength.

Solid bare copper core – ref. R51YS:

see details of the option below.

• VDE approval as per standard DIN VDE 0250 Part 106 Licence no. 106489.

Cabling in household electrical appliances, electronics.
Cabling in hot or cold environments (cryogenics).

Cabling in aggressive environments (humidity, chemicals, etc.).
Cabling requiring compact size

Flexible tin-plated copper core – ref. E51YS: contact us.
Flexible nickel-plated copper core – ref. CN51YS: contact us.

Flexible silver-plated copper core – ref. A51YS: contact us.

• Solid tin-plated copper core - ref. RE51YS: contact us.

• Rated voltage 450/750 V - réf. 51YA: contact us.

Applications

Options

General

Characteristics

- Continuous operating temperatures:
- > Bare copper core: -90 °C to +130 °C.
- > Tin-plated copper core: -90 °C to +180 °C.
- > Silver-plated copper core: -90 °C to +200 °C
- > Nickel-plated copper core: -90 °C to +250 °C
- Excellent resistance to aggressive chemical environments.
- Excellent resistance to humidity and UV.
- Excellent mechanical strength.

Electrical

- 300/500 V. Rated voltage:
- 2000 V. • Test voltage:

Standard products

All colours including translucent.

- 5	1	YG	

Flexible core • class 5 as per IEC 60228		INSULATED WIRES			
Nominal cross-section	Nominal stranding	Maximum linear resistance at 20 °C	Nominal thickness of insulation	Nominal diameter	Approximate linear weight
(mm²)		(Ω/km)	(mm)	(mm)	(kg/km)
0.25*	19 x 0.13 or 7 x 0.22	79.9	0.30	1.25	4.2
0.5	16 x 0.20	39.0	0.30	1.5	6.5
0.75	24 x 0.20	26.0	0.30	1.65	8.7
1	32 x 0.20	19.5	0.30	1.8	10.9
1.5	30 x 0.25	13.3	0.30	2.0	14.9
2.5	50 x 0.25	7.98	0.35	2.6	25.0
4	56 x 0.30	4.95	0.40	3.4	41.9
6	84 x 0.30	3.30	0.40	3.9	60.1

Option • R51YS

Solid core • class 1 as per IEC 60228

0.25*	1 x 0.56	74.5	0.30	1.15	3.9
0.5	1 x 0.80	36.0	0.30	1.4	6.8
0.75	1 x 0.98	23.1	0.30	1.6	9.5
1	1 x 1.13	18.1	0.30	1.75	12.0
1.5	1 x 1.36	12.1	0.30	2.0	16.7
2.5	1 x 1.77	7.41	0.35	2.5	27.4
4	1 x 2.24	4.61	0.40	3.05	42.7
6	1 x 2.74	3.08	0.40	3.55	61.7

* Nominal cross-section not described in IEC 60228.

For this product, please contact:

OMERIN division principale 🗹

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FLUOROPOLYMER INSULATED WIRES AND CABLES

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- 1 Flexible bare copper core class 5 as per IEC 60228 / DIN VDE 0295
- 2 Insulation: Fluorinated polymer PFA.

