

SILIFLON® 150 °C

Fluoropolymer insulation Fluoropolymer sheathing UL and cUL approval



- 1 • UL and cUL approved conductors with fluoropolymer insulation.
- 2 • Outer sheath: Fluorinated polymer.

Characteristics General

- Continuous operating temperatures: -90 °C to +150 °C.
- Excellent resistance to aggressive chemical environments.
- Excellent resistance to humidity and UV.
 - Excellent mechanical strength.

Electrical

- Rated voltage: as per style no.
- Test voltage: 10 x Rated voltage.

Standard products

- Single conductors: UL and cUL approved conductors with fluoropolymer insulation (≥ 150 °C).
- Standard outer sheath colours: white, black or grey.
 - Stranding of conducting cores: contact us.

Approvals - standards

- UL and cUL approval as per standard UL 758 and C22.2 No. 210 – File no.: E101965.
- “Horizontal flame test” or “Cable flame test” as per UL approval.
- “FT1 flame rating” as per cUL approval.

Applications

- Internal cabling for electrical heating appliances.
- External connections for electrical heating appliances.

Options

- Electrical shielding: Tin-plated copper braid, or aluminium tape + continuity wire.
 - Other outer sheath colours: contact us.
 - Other nominal cross-sections: contact us.
- Conductors with a silicone insulation : contact us.

KEY

- Conducting metals
- B** Tin-plated copper
- B*** Tin-plated copper (ø > 0.38 mm)
- C** Nickel-plated copper
- D** Silver-plated copper
- E** Nickel
- F** Bare copper
- F*** Bare copper (ø > 0.38 mm)
- G** Nickel-plated copper 27 %

- AWM I A** Internal wiring, not subject to mechanical abuse
- AWM I A/B** Internal wiring
- AWM II A/B** External or Internal wiring
- NS** Not Specified
- VNS** Voltage Not Specified

■: UL approved nominal cross-sections

* The diameter is provided for information only, as it may vary depending on the stranding of the core.
Only the average thickness of insulation or the sheathing should be taken into account.

For this product, please contact:

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Style no. Insulation Approval

No. of cond.	Nominal cross-section		20221-E150 ETFE "Thin-wall" 150 °C – 300 V AWM II A/B (Wall 0.25 mm)		20905-E150 ETFE "Thin-wall" 150 °C – 300 V AWM II A/B (Wall 0.51 mm)		20222-E150 ETFE "Thin-wall" 150 °C – 600 V AWM II A/B (Wall 0.38 mm)	
	AWG	(mm ²)	Nominal diameter of the cond.* (mm)	Nominal diameter of the cable* (mm)	Nominal diameter of the cond.* (mm)	Nominal diameter of the cable* (mm)	Nominal diameter of the cond.* (mm)	Nominal diameter of the cable* (mm)
2	26	0.13	0.75	2.0	0.75	2.5	1.05	2.9
3	26	0.13	0.75	2.1	0.75	2.6	1.05	3.0
4	26	0.13	0.75	2.3	0.75	2.8	1.05	3.3
5	26	0.13	0.75	2.6	0.75	3.0	1.05	3.6
7	26	0.13	0.75	2.9	0.75	3.3	1.05	4.0
2	24	0.22	0.9	2.3	0.9	2.8	1.15	3.1
3	24	0.22	0.9	2.4	0.9	3.0	1.15	3.2
4	24	0.22	0.9	2.8	0.9	3.2	1.15	3.5
5	24	0.22	0.9	3.0	0.9	3.5	1.15	3.9
7	24	0.22	0.9	3.3	0.9	3.7	1.15	4.3
2	22	0.34	1.05	2.7	1.05	3.1	1.3	3.4
3	22	0.34	1.05	2.9	1.05	3.3	1.3	3.6
4	22	0.34	1.05	3.1	1.05	3.6	1.3	3.9
5	22	0.34	1.05	3.4	1.05	3.9	1.3	4.3
7	22	0.34	1.05	4.0	1.05	4.2	1.3	4.7
2	-	0.5	1.25	3.1	1.25	3.5	1.4	3.6
3	-	0.5	1.25	3.3	1.25	3.7	1.4	3.8
4	-	0.5	1.25	3.8	1.25	4.0	1.4	4.2
5	-	0.5	1.25	4.2	1.25	4.4	1.4	4.6
7	-	0.5	1.25	4.6	1.25	4.8	1.4	5.0
2	20	0.6	1.3	3.2	1.3	3.6	1.5	3.8
3	20	0.6	1.3	3.4	1.3	3.8	1.5	4.0
4	20	0.6	1.3	3.9	1.3	4.2	1.5	4.4
5	20	0.6	1.3	4.3	1.3	4.5	1.5	4.9
7	20	0.6	1.3	4.7	1.3	4.9	1.5	5.3
2	-	0.75	1.4	3.4	1.4	3.8	1.55	3.9
3	-	0.75	1.4	3.8	1.4	4.0	1.55	4.1
4	-	0.75	1.4	4.2	1.4	4.4	1.55	4.5
5	-	0.75	1.4	4.6	1.4	4.8	1.55	5.0
7	-	0.75	1.4	5.0	1.4	5.2	1.55	5.5
2	18	0.93	1.55	3.9	1.55	4.1	1.8	4.4
3	18	0.93	1.55	4.1	1.55	4.4	1.8	4.7
4	18	0.93	1.55	4.5	1.55	4.8	1.8	5.1
5	18	0.93	1.55	5.0	1.55	5.2	1.8	5.7
7	18	0.93	1.55	5.5	1.55	5.7	1.8	6.4
2	-	1	1.65	4.1	1.65	4.3	1.8	4.4
3	-	1	1.65	4.4	1.65	4.6	1.8	4.7
4	-	1	1.65	4.8	1.65	5.0	1.8	5.1
5	-	1	1.65	5.3	1.65	5.5	1.8	5.7
7	-	1	1.65	5.8	1.65	6.0	1.8	6.4
2	16	1.34	1.9	4.6	1.9	4.8	2.0	4.8
3	16	1.34	1.9	4.9	1.9	5.1	2.0	5.1
4	16	1.34	1.9	5.4	1.9	5.6	2.0	5.6
5	16	1.34	1.9	6.1	1.9	6.2	2.0	6.4
7	16	1.34	1.9	6.7	1.9	6.7	2.0	7.0
2	-	1.5	1.9	4.6	1.9	4.8	2.0	4.8
3	-	1.5	1.9	4.9	1.9	5.1	2.0	5.1
4	-	1.5	1.9	5.4	1.9	5.6	2.0	5.6
5	-	1.5	1.9	6.1	1.9	6.2	2.0	6.4
7	-	1.5	1.9	6.7	1.9	6.7	2.0	7.0
2	14	-	2.25	5.3	2.25	5.5	2.4	5.6
3	14	-	2.25	5.7	2.25	5.9	2.4	6.2
4	14	-	2.25	6.4	2.25	6.4	2.4	6.8
5	14	-	2.25	7.1	2.25	7.1	2.4	7.5
7	14	-	2.25	7.8	2.25	7.8	2.4	8.4

Conducting metal

BCDEFG

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For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.
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