

# SILIFLON®

## Thin wall insulated lead wires

UL and CSA recognized  
- 90°C to + 200°C

### CHARACTERISTICS

#### Physical-chemical

- Permissible temperatures:  
Styles 10210, 10125 and 10126 = +150°C  
Styles 10086 and 10109 = +200°C
- Excellent fire behaviour : VW1, FT1 and IEC 332-1 rated.
- Excellent resistance to solvents, impregnation varnishes, and other chemical aggressions.
- Excellent resistance to freon R12, R22, R134a, R502, ...

#### Electrical

- Working voltage: 300 or 600 V, as per style number.
- Test voltage: as per style number.

### PRODUCTS

- American cross-sections – AWG 36 to 4/10.
- Optional metric cross-sections.
- All colours, including two-colour.

### PACKAGING

- Rolls, spools, drums or SILIBOX®.

- 1 - Rigid, flexible or extra-flexible copper core (class 5 or 6 – IEC 228), plain, tin or nickel plated
- 2 - Special fluorinated copolymer insulation.

### APPROVALS - STANDARDS

- UL- and CSA-recognized wires (cUL-recognized)  
File N°: E101965.
- CSA type AWM 1 A/B FT1.



### APPLICATIONS

- Internal wiring of sealed machines.
- Internal wiring of class F rotating machines.
- Lighting.
- Electronics.
- Aeronautics.



Temperature		150 °C			200 °C	
Voltage		300 V	600 V		300 V	600 V
Style N°		10125	10210	10126	10109	10086
AWG	Cross-section mm²	Nominal thickness of insulation (mm)				
30	0.05	0.15		0.25	0.15	0.25
28	0.08	0.15		0.25	0.15	0.25
26	0.13	0.15		0.25	0.15	0.25
24	0.20	0.15		0.25	0.15	0.25
22	0.32	0.15		0.25	0.15	0.25
20	0.51	0.15	0.15	0.25	0.15	0.25
18	0.82	0.15	0.15	0.25	0.15	0.25
16	1.30	0.20	0.20	0.25	0.20	0.25
14	2.07	0.20	0.20	0.25	0.20	0.25
12	3.30	0.25	0.25	0.38	0.25	0.38
10	5.25	0.25	0.25	0.38	0.25	0.38
9	6.62	0.64		0.64	0.64	0.64
8	8.35	0.64		0.64	0.64	0.64
7	10.6	0.64		0.64	0.64	0.64
6	13.3	0.64		0.64	0.64	0.64
5	16.8	0.64		0.64	0.64	0.64
4	21.1	0.64		0.64	0.64	0.64
3	26.6	0.89		0.89	0.89	0.89
2	33.6	0.89		0.89	0.89	0.89
1	42.3	0.89		0.89	0.89	0.89
0	53.4	1.14		1.14	1.14	1.14
2/0	67.5	1.14		1.14	1.14	1.14
3/0	85.0	1.14		1.14	1.14	1.14
4/0	107.2	1.14		1.14	1.14	1.14
Construction		R-S	S	R-S	R-S	R-S
Conductor métal		BCDF	BCDF	BCDF	B*CDF*	B*CDF*
		Strands of 0.10 to 0.25 mm				

**KEY**  
**A** resisting wire alloy, **B** tinned copper,  
**B\*** tinned copper strands > 0.38 mm,  
**C** nickel-plated copper, **D** silver-plated  
copper, **E** nickel, **E\*** nickel-plated iron  
or steel, **F** red copper, **F\*** red copper  
strands > 0.386 mm, **F\*** red copper strands  
> 0.05 mm, **G** 27% nickel-plated copper,  
**H** stainless steel AISI 304,  
**R** rigid, **S** flexible (multi-strands).