

HIGH TEMPERATURE WIRES AND CABLES FOR THE GENERAL MARKET SECTION III: COMPOSITE INSULATIONS

SILICABLE® Style 5170

Lead wire for hermetically sealed motors

UL and cUL approval

+125 °C



UNIPOLAR WIRES AND CABLES WITH COMPOSITE INSULATION



- 1 • Flexible or extra-flexible bare copper core.
- 2 • Heat-stabilized non-coated high resistance polyester braid.
- 3 • Polyester tape(s).

Approvals - standards

- UL approval: File no.: E101965.
- cUL approval: Appliance Wiring Material, C22.2, No. 210 – Class I or II, Group A (internal or external wiring).
- Fire behaviour: class FT2 as per cUL approval.

Applications

- Internal cabling for hermetically sealed motors.

Options

- Other nominal stranding with strand diameters ranging from AWG 38 (0.102 mm) to AWG 30 (0.254 mm): contact us.
- Other metric or American cross-sections: contact us.
- Other only UL approved style nos. (105 °C/600 V) specially designed for hermetically sealed motors units: Style 5048, Style 5166, Style 5178, Style 5189: contact us.

Characteristics General

- Continuous operating temperature: +125 °C.
- Excellent resistance to R12, R22, R134a, R502, etc. refrigerant gases and refrigerant oils.
- Excellent mechanical properties (abrasion and flexibility).

Electrical

- Rated voltage: 600 Vac.
- Test voltage: 2000 Vac.

Standard products

- Solid white.
- White with coloured spiral stripe(s).

Conducting core			INSULATED WIRE OR CABLE		
Nominal cross-section	Nominal stranding (flexible core)	Nominal stranding (extra-flexible core)	Max. linear resistance at 20 °C (Ω/km)	Nominal diameter (mm)	Approximate linear weight (kg/km)
AWG (mm²)					
20 0.6	19 x 0.20	-	34.6	1.7	5.9
- 0.75	24 x 0.20	42 x 0.15	26.0	1.8	7.3
18 0.93	-	65 x 0.127	21.8	1.9	8.2
- 1	32 x 0.20	56 x 0.15	19.5	2.0	9.8
16 1.34	-	105 x 0.127	13.7	2.3	13.2
- 1.5	30 x 0.25	85 x 0.15	13.3	2.4	14.9
14 -	-	168 x 0.127	8.62	2.7	21.1
- 2.5	50 x 0.25	140 x 0.15	7.98	2.9	24.5
12 -	-	264 x 0.127	5.43	3.3	33.1
- 4	-	224 x 0.15	4.95	3.5	39.2
10 -	-	414 x 0.127	3.41	3.9	51.9
- 6	-	301 x 0.15	3.30	4.1	52.7
8 -	-	665 x 0.127	2.15	4.8	83.4
- 10	322 x 0.20	792 x 0.127	1.91	5.3	99.3
6 -	426 x 0.20	-	1.35	6.0	133
- 16	516 x 0.20	-	1.21	6.2	161
4 -	678 x 0.20	-	0.848	7.5	211
- 25	792 x 0.20	-	0.780	8.0	246

For this product, please contact:

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LES CABLES DE L'EXTREME

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