

# SILICABLE® HT

## Style 3304 and Style 3573

Ignition wires  
UL approval



### Approvals - standards

- UL approval as per standard UL 758 – File no.: E101965.
- Halogen-free: IEC 60754-1 / EN 60754-1.
- "Horizontal flame test" as per UL approval.

### Applications

- Ignition circuit and creation of an electric arc for:
  - > Piezo-electric components in household electrical appliances.
  - > Gas or oil burners for boilers and professional appliances.

### Options

- Other nominal cross-sections: contact us.
  - Vertical flame test VW-1: contact us.
  - Other colours: contact us.

### Characteristics

#### General

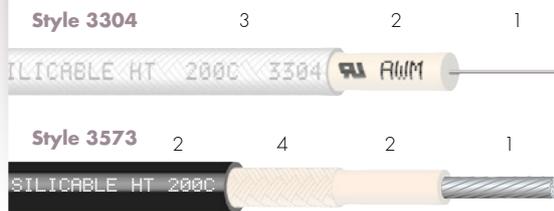
- Continuous operating temperatures: -60 °C to +200 °C.
- Good resistance to thermal shock and UV.

#### Electrical

- Pulse voltage: 10 kV AC.

### Standard products

- Standard insulation colours: white, black, brick red and colourless.
- Stranding of conducting cores: contact us.



- 1 • Bare copper, tin-plated, nickel-plated or silver-plated core.
- 2 • Insulation: Silicone rubber.
- 3 • Reinforcement: Silicone-coated fibreglass braid.
- 4 • Reinforcement: Fibreglass braid.

Style no.		3304		3573	
Approval		200 °C - 10000 V		200 °C - 10000 V	
Nominal cross-section	Avg thick-ness of insulation	Nominal diameter*	Avg thick-ness of insulation	Nominal diameter*	
AWG (mm <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	
22	0.34	1.0	3.1	1.0	3.2
-	0.5	1.0	3.2	1.0	3.4
20	0.6	1.0	3.4	1.0	3.6
-	0.75	1.0	3.5	1.0	3.7
18	0.93	1.0	3.5	1.0	3.7
-	1	1.0	3.7	1.0	3.9
16	1.34	1.0	3.8	1.0	4.1
-	1.5	1.0	4.0	1.0	4.3
14	-	1.0	4.3	1.0	4.6
-	2.5	1.0	4.5	1.0	4.8
12	-	1.0	4.8	1.0	5.0
-	4	1.0	5.0	1.0	5.3
Conducting metal		B*CDF*G		B*CDEF*G	

#### 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 only.

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

[www.omerin.com](http://www.omerin.com)

The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force. 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.  
© Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.

For this product, please contact:

**OMERIN division principale** ✓

Zone Industrielle - F 63600 Ambert  
Tel. +33 (0)4 73 82 50 00 - Fax +33 (0)4 73 82 50 10  
omerin@omerin.com

**OMERIN division silisol** □

BP 87 - ZI du Devev - F 42000 Saint-Étienne  
Tel. +33 (0)4 77 81 36 00 - Fax +33 (0)4 77 81 37 00  
silisol@omerin.com

