RoHS

- 60℃ to + 180℃

Ignition wires

USE ⊲HAR⊳

① Flexible red copper core or tinned **(E)** class 5 – IEC 228.
② Silicone rubber.
③ Fibreglass braid, coated in silicone, ref. **(E)CSV-HT** or resin, ref. **(E)CSVRI-HT**
④ Untreated, openwork fibreglass braid.
⑤ Silicone-coated mineral fibre braid.
⑥ Stainless steel shielding braid.

Characteristics

Physical-chemical

- Continuous working temperatures : – 60℃ to + 180℃ – Peaks at + 230℃.
- CSABI-HT : resistance to localized and time-restricted attack by flame and extreme temperatures.
- Good resistance to thermal shock, excellent resistance to ageing.
- Good resistance to humidity.
- Excellent resistance to ozone and the corona effect.
- Does not spread flame or fire.

Electrical

- Pulsed voltage : from 5 to 20 kV.
- ECS-HT-VDE : working voltage 1,8/3 kV.

Products

- Main products : refer to table.
- Colour of silicone insulator : brick red, white, black or translucent. Other colours : consult us.

Options

- Longitudinal marking on silicone insulator : consult us.
- Pure nickel or nickel-plated copper conductor : consult us.
- Other cross-sections and flexibility classes : consult us.
- Applications requiring design of a specific cable : consult us.

Packaging

- Rolls, spools, drums or **SILIBOX®**

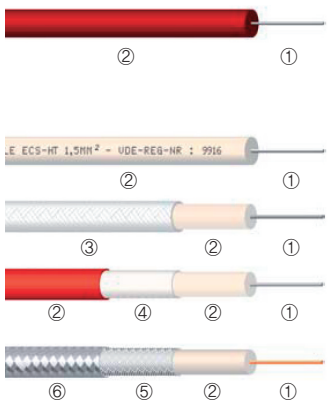
Approvals - standards

- **SILICABLE®** ECS-HT 1 ㎟, 6,2 mm outside diameter. Wire approved to European standard EN 50143 and French standard NF C 32-500 for the lighting of neon electric signs.
- **SILICABLE®** ECS-HT-VDE 1 and 1.5 ㎟ VDE-approved, licence N° 9916 ÜG.
- **SILICABLE®** style 3304, type (E)CSVRI-HT,UL- and CSA-recognized (cUL- recognized). File N° E101965.

Applications

Ignition circuits, creation of electric arc :

- Piezo-electrics of domestic electrical appliances : ref. (E)CS-HT, (E)CSV-HT, (E)CSVRI-HT.
- Gas or fuel burners in boilers, and professional appliances : ref. (E)CS-HT, (E)CSVCS-HT.
- Neon electric signs : ref. (E)CS-HT, (E)CS-HT-VDE.
- Burners in corrosive environments, near flames, molten glass or metal : ref.CSABI-HT.



	Core			Insulated wire or cable	
	Nominal c/section mm²	Nominal stranding	Max. linear resistance at 20°C (tinned copper core) Ω/km	Thickness of silicone insulating sheath mm	Nominal outer diameter mm
(E)CS-HT	0.25	8 x 0.20	80.9	1.15	3.0
	0.34	7 x 0.25	59.2	1.10	3.0
	0.5	16 x 0.20	40.1	1.00	3.0
	1	32 x 0.20	20.0	2.45	6.2
	1.5	30 x 0.25	13.7	2.70	7.0
	2.5	50 x 0.25	8.21	3.45	9.0
	4	56 x 0.30	5.09	3.70	10.0
ECS-HT-VDE	1	32 x 0.20	20.0	1.30	3.9
	1.5	30 x 0.25	13.7	1.30	4.2
(E)CSV-HT or (E)CSVRI-HT	0.34	7 x 0.25	59.2	0.90	3.0
	0.5	16 x 0.20	40.1	0.90	3.1
(E)CSVCS-HT	1.34	19 x 0.30	15.0	2.75	7.0
	1.5	30 x 0.25	13.7	2.85	7.3
CSABI-HT	1.5	30 x 0.25	13.7	3.20	10.0
	2.5	50 x 0.25	8.21	3.50	11.0
	4	56 x 0.30	5.09	3.70	12.0

SILICABLE® HT UL

Style number	AWG c/Section	Continuous working temperature	Voltage	CORE Construction Type	Nominal thickness of insulation mm
3304	22 à 12	200 °C	10 kV AC. (25 kV peak)	Solid or stranded Tinned, nickel or silver-plated copper	1.0
3573	22 à 12	200 °C	10 kV AC (25 kV peak)	Solid or stranded Tinned, nickel or silver-plated copper	1.3