

SILICABLE® 200 °C

Silicone insulation
Silicone sheathing
UL and cUL approval



Characteristics General

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

Electrical

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

Standard products

- Single conductors: UL and cUL approved silicone insulated conductors (≥ 200 °C).
- Standard outer sheath colours: black or brick red.
- Stranding of conducting cores: contact us.

Approvals - standards

- UL approval as per standard UL 758 - File no.: E101965.
- cUL approval (CSA) as per standard C22.2 No. 210 - File no.: E101965.
- "Horizontal flame test" as per UL approval.
- "Cable flame test" as per UL approval (AWM II A/B only).
- "FT2 flame rating" as per cUL approval.
- "FT1 flame rating" as per cUL approval (AMW II A/B only).
- Halogen-free: IEC 60754-1 / EN 60754-1.

Applications

- Output cables for household and professional electrical heating appliances.
- Cabling for electrical heating appliances, etc.

Options

- Other numbers of conductors and nominal cross-sections: contact us.
- Other colours: contact us.
- Electrical shielding: contact us.
- VW-1 Vertical flame test for Style 4389-S200: 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 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.

For this product, please contact:

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SILICONE INSULATED AND/OR SHEATHED WIRES AND CABLES



- 1 • UL and cUL approved conductors with a silicone insulation.
- 2 • Outer sheath: Silicone rubber.

Style no. **4389-S200**

4421-S200

Approval

200 °C - 600 V

200 °C - 600 V

AWM II A/B
(Wall 1.14 mm)

AWM II A/B
(Wall 1.52 mm)

No. of cond.	Nominal cross-section		Nominal diameter of the cond.* (mm)	Nominal diameter of the cable* (mm)	Nominal diameter of the cond.* (mm)	Nominal diameter of the cable* (mm)
	AWG	(mm ²)				
2	26	0.13	2.0	6.2	2.0	7.0
3	26	0.13	2.0	6.6	2.0	7.3
4	26	0.13	2.0	7.1	2.0	7.8
5	26	0.13	2.0	7.6	2.0	8.4
7	26	0.13	2.0	8.2	2.0	9.0
2	24	0.22	2.1	6.4	2.1	7.2
3	24	0.22	2.1	6.8	2.1	7.5
4	24	0.22	2.1	7.3	2.1	8.1
5	24	0.22	2.1	7.9	2.1	8.7
7	24	0.22	2.1	8.5	2.1	9.3
2	22	0.34	2.4	7.0	2.4	7.8
3	22	0.34	2.4	7.4	2.4	8.2
4	22	0.34	2.4	8.0	2.4	8.8
5	22	0.34	2.4	8.7	2.4	9.5
7	22	0.34	2.4	9.4	2.4	10.2
2	-	0.5	2.5	7.2	2.5	8.0
3	-	0.5	2.5	7.6	2.5	8.4
4	-	0.5	2.5	8.3	2.5	9.0
5	-	0.5	2.5	9.0	2.5	9.8
7	-	0.5	2.5	9.7	2.5	10.5
2	20	0.6	2.6	7.4	2.6	8.2
3	20	0.6	2.6	7.9	2.6	8.6
4	20	0.6	2.6	8.5	2.6	9.3
5	20	0.6	2.6	9.3	2.6	10.0
7	20	0.6	2.6	10.0	2.6	10.8
2	-	0.75	2.65	7.5	2.65	8.3
3	-	0.75	2.65	8.0	2.65	8.7
4	-	0.75	2.65	8.6	2.65	9.4
5	-	0.75	2.65	9.4	2.65	10.2
7	-	0.75	2.65	10.2	2.65	11.0
2	18	0.93	2.7	7.6	2.7	8.4
3	18	0.93	2.7	8.1	2.7	8.8
4	18	0.93	2.7	8.7	2.7	9.5
5	18	0.93	2.7	9.5	2.7	10.3
7	18	0.93	2.7	10.3	2.7	11.1
2	-	1	2.8	7.8	2.8	8.6
3	-	1	2.8	8.3	2.8	9.0
4	-	1	2.8	9.0	2.8	9.7
5	-	1	2.8	9.8	2.8	10.6
7	-	1	2.8	10.6	2.8	11.4
2	16	1.34	3.05	8.3	3.05	9.1
3	16	1.34	3.05	8.8	3.05	9.6
4	16	1.34	3.05	9.6	3.05	10.4
5	16	1.34	3.05	10.5	3.05	11.2
7	16	1.34	3.05	11.4	3.05	12.2
2	-	1.5	3.1	8.4	3.1	9.2
3	-	1.5	3.1	8.9	3.1	9.7
4	-	1.5	3.1	9.7	3.1	10.5
5	-	1.5	3.1	10.6	3.1	11.4
7	-	1.5	3.1	11.5	3.1	12.3
2	14	-	3.6	9.4	3.6	10.2
3	14	-	3.6	10.0	3.6	10.8
4	14	-	3.6	10.9	3.6	11.7
5	14	-	3.6	12.0	3.6	12.7
7	14	-	3.6	13.0	3.6	13.8

Conducting metal

B*CDEF*G

B*CDEF*G

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Style no.			4476-S200			4476-S200			4476-S200		
Approval			200 °C - 300 V			200 °C - 600 V			200 °C - 1 000 V (cUL 600 V)		
			AWM I A (Wall 0.76 mm)	AWM II A/B (Wall 1.14 mm)		AWM I A (Wall 0.76 mm)	AWM II A/B (Wall 1.14 mm)		AWM I A (Wall 0.76 mm)	AWM II A/B (Wall 1.14 mm)	
No. of cond.	AWG	Nominal cross-section (mm²)	Nominal diameter of the cond.* (mm)	Nominal diameter of the cable* (mm)	Nominal diameter of the cable* (mm)	Nominal diameter of the cond.* (mm)	Nominal diameter of the cable* (mm)	Nominal diameter of the cable* (mm)	Nominal diameter of the cond.* (mm)	Nominal diameter of the cable* (mm)	Nominal diameter of the cable* (mm)
2	26	0.13	1.2	3.9	4.6	2.0	5.5	6.2	2.0	5.5	6.2
3	26	0.13	1.2	4.1	4.8	2.0	5.8	6.6	2.0	5.8	6.6
4	26	0.13	1.2	4.4	5.1	2.0	6.3	7.1	2.0	6.3	7.1
5	26	0.13	1.2	4.7	5.5	2.0	6.9	7.6	2.0	6.9	7.6
7	26	0.13	1.2	5.1	5.8	2.0	7.5	8.2	2.0	7.5	8.2
2	24	0.22	1.4	4.3	5.0	2.1	5.7	6.4	2.1	5.7	6.4
3	24	0.22	1.4	4.5	5.3	2.1	6.0	6.8	2.1	6.0	6.8
4	24	0.22	1.4	4.8	5.6	2.1	6.5	7.3	2.1	6.5	7.3
5	24	0.22	1.4	5.3	6.0	2.1	7.2	7.9	2.1	7.2	7.9
7	24	0.22	1.4	5.7	6.4	2.1	7.8	8.5	2.1	7.8	8.5
2	22	0.34	1.6	4.7	5.4	2.4	6.3	7.0	2.4	6.3	7.0
3	22	0.34	1.6	4.9	5.7	2.4	6.7	7.4	2.4	6.7	7.4
4	22	0.34	1.6	5.3	6.1	2.4	7.3	8.0	2.4	7.3	8.0
5	22	0.34	1.6	5.8	6.6	2.4	8.0	8.7	2.4	8.0	8.7
7	22	0.34	1.6	6.3	7.0	2.4	8.7	9.4	2.4	8.7	9.4
2	-	0.5	1.7	4.9	5.6	2.5	6.5	7.2	2.5	6.5	7.2
3	-	0.5	1.7	5.1	5.9	2.5	6.9	7.6	2.5	6.9	7.6
4	-	0.5	1.7	5.6	6.3	2.5	7.5	8.3	2.5	7.5	8.3
5	-	0.5	1.7	6.1	6.8	2.5	8.2	9.0	2.5	8.2	9.0
7	-	0.5	1.7	6.6	7.3	2.5	9.0	9.7	2.5	9.0	9.7
2	20	0.6	1.8	5.1	5.8	2.6	6.7	7.4	2.6	6.7	7.4
3	20	0.6	1.8	5.4	6.1	2.6	7.1	7.9	2.6	7.1	7.9
4	20	0.6	1.8	5.8	6.6	2.6	7.7	8.5	2.6	7.7	8.5
5	20	0.6	1.8	6.3	7.1	2.6	8.5	9.3	2.6	8.5	9.3
7	20	0.6	1.8	6.9	7.6	2.6	9.3	10.0	2.6	9.3	10.0
2	-	0.75	1.9	5.3	6.0	2.65	6.8	7.5	2.65	6.8	7.5
3	-	0.75	1.9	5.6	6.3	2.65	7.2	8.0	2.65	7.2	8.0
4	-	0.75	1.9	6.1	6.8	2.65	7.9	8.6	2.65	7.9	8.6
5	-	0.75	1.9	6.6	7.4	2.65	8.6	9.4	2.65	8.6	9.4
7	-	0.75	1.9	7.2	7.9	2.65	9.4	10.2	2.65	9.4	10.2
2	18	0.93	2.0	5.5	6.2	2.7	6.9	7.6	2.8	7.1	7.8
3	18	0.93	2.0	5.8	6.6	2.7	7.3	8.1	2.8	7.5	8.3
4	18	0.93	2.0	6.3	7.1	2.7	8.0	8.7	2.8	8.2	9.0
5	18	0.93	2.0	6.9	7.6	2.7	8.8	9.5	2.8	9.0	9.8
7	18	0.93	2.0	7.5	8.2	2.7	9.6	10.3	2.8	9.9	10.6
2	-	1	2.1	5.7	6.4	2.8	7.1	7.8	2.8	7.1	7.8
3	-	1	2.1	6.0	6.8	2.8	7.5	8.3	2.8	7.5	8.3
4	-	1	2.1	6.5	7.3	2.8	8.2	9.0	2.8	8.2	9.0
5	-	1	2.1	7.1	7.9	2.8	9.0	9.8	2.8	9.0	9.8
7	-	1	2.1	7.8	8.5	2.8	9.9	10.6	2.8	9.9	10.6
2	16	1.34	-	-	-	3.05	7.6	8.3	3.05	7.6	8.3
3	16	1.34	-	-	-	3.05	8.1	8.8	3.05	8.1	8.8
4	16	1.34	-	-	-	3.05	8.8	9.6	3.05	8.8	9.6
5	16	1.34	-	-	-	3.05	9.7	10.5	3.05	9.7	10.5
7	16	1.34	-	-	-	3.05	10.6	11.4	3.05	10.6	11.4
2	-	1.5	-	-	-	3.1	7.7	8.4	3.1	7.7	8.4
3	-	1.5	-	-	-	3.1	8.2	8.9	3.1	8.2	8.9
4	-	1.5	-	-	-	3.1	9.0	9.7	3.1	9.0	9.7
5	-	1.5	-	-	-	3.1	9.9	10.6	3.1	9.9	10.6
7	-	1.5	-	-	-	3.1	10.8	11.5	3.1	10.8	11.5
2	14	-	-	-	-	3.6	8.7	9.4	3.5	8.5	9.2
3	14	-	-	-	-	3.6	9.3	10.0	3.5	9.0	9.8
4	14	-	-	-	-	3.6	10.2	10.9	3.5	9.9	10.7
5	14	-	-	-	-	3.6	11.2	12.0	3.5	10.9	11.7
7	14	-	-	-	-	3.6	12.3	13.0	3.5	12.0	12.7

Conducting metal

B*CDEG

B*CDEF*G

B*CDEF*G

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