HIGH TEMPERATURE WIRES & CABLES

UL & cUL approval

Changes in **UL 858**
require home appliance wiring
to comply with **VW–1 Flame rating**

▸ SILIFLON®

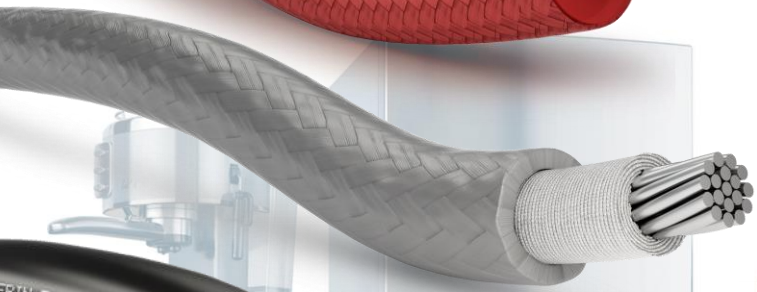
Fluoropolymer insulated wires

▸ SILICABLE®

Silicone insulated wires

▸ SILICABLE®

Silicone insulated wires with reinforcing braid



▸ SILICABLE®

Very high temperature
wires with composite insulation

▸ SILICABLE®

Silicone sheathed cables

omerin
LES CABLES DE L'EXTREME

www.omerin.com

FLUOROPOLYMER INSULATED WIRES

SILIFLON® 150°C & 250°C

Fluoropolymer insulation UL & cUL approval

VW-1 c UL us

1 • Bare, tin-plated, nickel-plated or silver-plated copper core
2 • Insulation: Fluorinated polymer

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
- "FT1 flame rating" as per cUL approval
- "VW-1 flame test" as per UL approval

Characteristics

General

- Continuous operating temperatures: -90°C to +150°C, +200°C or +250°C (as per style no.)
- Excellent resistance to aggressive chemical environments
- Excellent resistance to humidity and UV
- Excellent mechanical strength

Electrical

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

Standard products

- All colours including two-coloured
- Stranding of conducting cores: 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/B : Internal wiring

** 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*

Style n°		10126-VW-1		1333-VW-1		1332-VW-1		1330-VW-1		1727-VW-1	
Insulation		ETFE "Thin wall"		FEP		FEP "Thick wall"		FEP "Thick wall"		PFA	
Approval		AWM I A/B 150°C – 600 V		AWM I A/B 150°C – 300 V		AWM I A/B 200°C – 300 V		AWM I A/B 200°C – 600 V		AWM I A/B 250°C – 600 V	
Nominal cross-section		Average thickness of insulation	Nominal diameter	Average thickness of insulation	Nominal diameter	Average thickness of insulation	Nominal diameter	Average thickness of insulation	Nominal diameter	Average thickness of insulation	Nominal diameter
AWG	(mm²)	(mm)	(mm)*	(mm)	(mm)*	(mm)	(mm)*	(mm)	(mm)*	(mm)	(mm)*
30	0.05	0.25	0.8	0.33	0.95	0.33	0.95	0.51	1.3	0.51	1.3
28	0.09	0.25	0.9	0.33	1.05	0.33	1.05	0.51	1.4	0.51	1.4
26	0.13	0.25	1.05	0.33	1.15	0.33	1.15	0.51	1.5	0.51	1.5
24	0.22	0.25	1.15	0.33	1.3	0.33	1.3	0.51	1.65	0.51	1.65
22	0.34	0.25	1.3	0.33	1.4	0.33	1.45	0.51	1.85	0.51	1.8
-	0.5	0.25	1.4	0.33	1.6	0.33	1.55	0.51	1.95	0.51	1.95
20	0.6	0.25	1.5	0.33	1.65	0.33	1.7	0.51	2.0	0.51	2.0
-	0.75	0.25	1.55	0.33	1.75	0.33	1.75	0.51	2.1	0.51	2.1
18	0.93	0.25	1.8	0.33	1.9	0.33	1.9	0.51	2.25	0.51	2.2
-	1	0.25	1.8	0.33	1.95	0.33	1.95	0.51	2.3	0.51	2.3
16	1.34	0.25	2.0	0.33	2.2	0.33	2.1	0.51	2.5	0.51	2.45
-	1.5	0.25	2.0	0.33	2.2	0.33	2.2	0.51	2.55	0.51	2.65
14	-	0.25	2.4	0.33	2.55	0.33	2.7	0.51	3.0	0.51	2.85
-	2.5	0.25	2.45	0.33	2.7	0.33	2.7	0.51	3.0	0.51	3.0
12	-	0.38	3.2	0.33	3.1	0.33	3.2	0.51	3.4	0.51	3.4
-	4	0.38	3.35	0.33	3.25	0.33	3.25	0.51	3.6	0.51	3.6
10	-	0.38	4.1	0.33	3.7	0.33	3.9	0.51	4.0	0.51	4.2
-	6	0.38	4.5	0.33	3.9	0.33	3.9	0.51	4.3	0.51	4.3
8	-	0.64	5.4	-	-	-	-	0.76	5.3	0.76	5.7
-	10	0.64	5.7	-	-	-	-	0.76	5.9	0.76	5.9
6	-	0.64	6.6	-	-	-	-	0.76	6.8	0.76	6.8
-	16	0.64	6.7	-	-	-	-	0.76	7.1	0.76	7.1
4	-	0.64	7.8	-	-	-	-	0.76	8.0	0.76	8.0
-	25	0.64	8.3	-	-	-	-	0.76	8.5	0.76	8.5
2	35	0.89	10.0	-	-	-	-	0.76	9.2	0.76	9.6
1	-	0.89	11.0	-	-	-	-	1.14	11.2	1.14	11.2
-	50	0.89	11.4	-	-	-	-	1.14	12.0	1.14	12.0
1/0	-	1.14	12.5	-	-	-	-	1.14	12.5	1.14	12.5
2/0	70	1.14	14.0	-	-	-	-	1.14	14.0	1.14	14.0
3/0	-	1.14	15.2	-	-	-	-	1.14	15.2	1.14	15.2
-	95	1.14	15.4	-	-	-	-	1.14	15.4	1.14	15.4
4/0	-	1.14	16.8	-	-	-	-	1.14	16.8	1.14	16.8
-	120	1.14	17.1	-	-	-	-	1.14	17.1	1.14	17.1
Conducting metals		BCDEFG		BCDEFG		B*CDEF*G		B*CDEF*G		CEG	

For this product. please contact:
OMERIN division principale
Zone Industrielle – F 63600 Ambert FRANCE
Phone: +33 (0)4 73 82 50 00
omerin@omerin.com

omerin
LES CABLES DE L'EXTREME

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.

SILICABLE® 150°C & 200°C

Silicone insulation UL & cUL approval

VW-1 c UL us

1 • Bare, tin-plated, nickel-plated or silver-plated copper core
2 • Insulation: Silicone rubber

Approvals - standards

• UL approval as per standard UL 758 - File no.: E101965
• cUL approval as per standard C22.2 No. 210 - File no.: E101965 (except for style no. 3132)
• "Horizontal flame test" as per UL approval
• "FT2 flame rating" as per cUL approval
• "FT1 flame rating" as per cUL approval
• "VW-1 flame test" as per UL approval

Characteristics

General

• Continuous operating temperatures: -60°C to +150°C, +200°C (as per style no.)
• Good resistance to thermal shock and UV
• Halogen free (IEC 60754-1)

Electrical

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

Standard products

• Stranding of conducting cores: contact us
• Up to 120 mm²: all colours including two-coloured.
• From 150 mm² to 400 mm²: all colours except two-coloured.

Option

• CSA approval as per standard C22.2 No. 210 - File no.: LL84986 (only for style no. 3132) : 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
AWM I A/B : Internal wiring not subjected to mechanical abuse

Not cUL approved

**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*

Style n°		3132-VW-1		3134-VW-1		3135-VW-1		3512-VW-1	
Insulation		Silicone		Silicone		Silicone		Silicone	
Approval		150°C – 300 V		AWM I A 150°C – 600 V		AWM I A 200°C – 600 V		AWM I A 200°C – 600 V	
Nominal cross-section		Average thickness of insulation	Nominal diameter	Average thickness of insulation	Nominal diameter	Average thickness of insulation	Nominal diameter	Average thickness of insulation	Nominal diameter
AWG	(mm²)	(mm)	(mm)*	(mm)	(mm)*	(mm)	(mm)*	(mm)	(mm)*
-	0.5	0.38	1.7	-	-	0.76	2.5	0.76	2.5
20	0.6	0.38	1.75	-	-	0.76	2.6	0.76	2.6
-	0.75	0.38	1.9	-	-	0.76	2.65	0.76	2.65
18	0.93	0.38	2.0	0.76	2.7	0.76	2.7	0.76	2.7
-	1	0.38	2.1	0.76	2.9	0.76	2.8	0.76	2.8
16	1.34	0.38	2.3	0.76	3.1	0.76	3.05	0.76	3.05
-	1.5	0.38	2.4	0.76	3.2	0.76	3.2	0.76	3.1
14	-	0.38	2.65	0.76	3.6	0.76	3.6	0.76	3.6
-	2.5	0.38	2.8	0.76	3.6	0.76	3.6	0.76	3.6
12	-	0.38	3.2	0.76	4.0	0.76	4.0	0.76	4.0
-	4	0.38	3.4	0.76	4.2	0.76	4.4	0.76	4.4
10	-	0.38	3.8	-	-	-	-	1.14	5.3
-	6	0.38	3.9	-	-	-	-	1.14	5.5
8	-	0.38	4.6	-	-	-	-	1.14	6.1
-	10	0.38	5.2	-	-	-	-	1.52	7.4
6	-	0.38	5.9	-	-	-	-	1.52	8.3
-	16	0.38	6.3	-	-	-	-	1.52	8.9
4	-	0.38	7.3	-	-	-	-	1.52	9.8
-	25	0.38	7.8	-	-	-	-	1.52	10.2
2	35	0.38	8.9	-	-	-	-	1.52	11.0
1	-	0.38	10.1	-	-	-	-	1.52	13.5
-	50	0.38	10.5	-	-	-	-	2.03	14.0
1/0	-	0.38	11.2	-	-	-	-	2.03	14.6
2/0	70	0.38	12.3	-	-	-	-	2.03	16.0
3/0	-	0.38	13.9	-	-	-	-	2.03	17.8
-	95	0.38	14.1	-	-	-	-	2.03	18.4
4/0	-	0.38	15.5	-	-	-	-	2.41	20.0
-	120	0.38	15.8	-	-	-	-	2.41	20.8
250MCM	-	-	-	-	-	-	-	2.41	21.4
-	150	-	-	-	-	-	-	2.41	22.3
300MCM	-	-	-	-	-	-	-	2.41	23.1
350MCM	185	-	-	-	-	-	-	2.41	24.0
400MCM	-	-	-	-	-	-	-	2.41	25.3
-	240	-	-	-	-	-	-	2.41	26.3
Conducting metals		BCDEFG		BCDEG		B*CDEF*G		B*CDEG	

For this product. please contact:
OMERIN division principale
Zone Industrielle – F 63600 Ambert FRANCE
Phone: +33 (0)4 73 82 50 00
omerin@omerin.com

omerin
LES CABLES DE L'EXTREME

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.

SILICONE INSULATED WIRES WITH REINFORCING BRAID

SILICABLE® 200°C

Silicone insulation with fiberglass braid UL approval

VW-1

1 • Bare, tin-plated, nickel-plated or silver-plated copper core
2 • Insulation: Silicone rubber
3 • Coated fibreglass braid

Approvals - standards

• UL approval as per standard UL 758 - File no.: E101965
• "Horizontal flame test" as per UL approval
• "VW-1 flame test" as per UL approval

Characteristics

General

• Continuous operating temperatures: -60°C to +200°C
• Good resistance to thermal shock and UV
• Halogen free (IEC 60754-1)

Electrical

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

Standard products

• Stranding of conducting cores: contact us
• All colours with or without coloured spiral stripe

Option

• CSA approval as per standard C22.2 No. 210 - File no.: LL84986: 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
AWM I A/B : Internal wiring not subjected to mechanical abuse

**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*

		With reinforcing braid			
Style n°		**3122-VW-1**		**3513-VW-1**	
Insulation		Silicone		Silicone	
Approval		200°C – 300 V		200°C – 600 V	
Nominal cross-section		Average thickness of insulation	Nominal diameter	Average thickness of insulation	Nominal diameter
AWG	(mm^2)	(mm)	(mm)*	(mm)	(mm)*
-	0.5	0.38	2.0	0.76	2.8
20	0.6	0.38	2.1	0.76	2.9
-	0.75	0.38	2.2	0.76	3.0
18	0.93	0.38	2.3	0.76	3.1
-	1	0.38	2.4	0.76	3.2
16	1.34	0.38	2.6	0.76	3.6
-	1.5	0.38	2.7	0.76	3.7
14	-	-	-	0.76	4.0
-	2.5	-	-	0.76	4.1
12	-	-	-	0.76	4.5
-	4	-	-	0.76	4.7
10	-	-	-	1.14	5.8
-	6	-	-	1.14	6.0
8	-	-	-	1.14	6.6
-	10	-	-	1.52	8.0
6	-	-	-	1.52	8.9
-	16	-	-	1.52	9.5
4	-	-	-	1.52	10.7
-	25	-	-	1.52	11.1
2	35	-	-	1.52	11.9
1	-	-	-	1.52	14.4
-	50	-	-	2.03	15.1
1/0	-	-	-	2.03	15.6
2/0	70	-	-	2.03	16.5
3/0	-	-	-	2.03	18.2
-	95	-	-	2.03	18.4
4/0	-	-	-	2.41	20.5
-	120	-	-	2.41	20.9
250MCM	-	-	-	2.41	21.7
-	150	-	-	2.41	22.4
300MCM	-	-	-	2.41	23.6
350MCM	185	-	-	2.41	24.6
400MCM	-	-	-	2.41	25.6
-	240	-	-	2.41	26.9
Conducting metals		B*CDEF*G		B*CD	

For this product. please contact:
OMERIN division principale
Zone Industrielle – F 63600 Ambert FRANCE
Phone: +33 (0)4 73 82 50 00
omerin@omerin.com

omerin
LES CABLES DE L'EXTREME

www.omerin.com

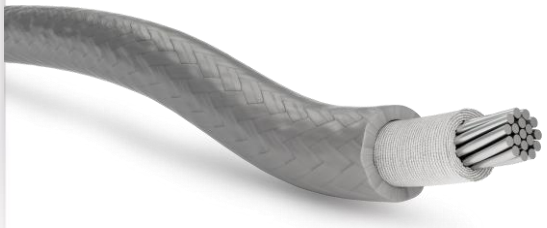
The information provided in this technical data sheet is indicative and may be modified without prior notice. laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents 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.

WIRES WITH COMPOSITE INSULATION

SILICABLE® 350°C

Composite insulation
UL & cUL approval

VW-1 c UL us



1 • Nickel or nickel-plated copper core
2 • • Composite insulation: Mica tape(s) and fibreglass lapping + varnished fibreglass braid

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
- "FT1 flame rating" as per cUL approval
- "VW-1 flame test" as per UL approval

Characteristics

General

- Maximum continuous operating temperature: +350 °C
- Good resistance to thermal shocks and oxidization

Electrical

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

Standard products

- Standard colours: grey, brown or natural. (other colours: contact us)
- Stranding of conducting cores: contact us

Style n°	5304-VW-1		
Insulation	Composite		
Approval	AWM I A/B 350°C – 600 V		
Nominal cross-section		Average thickness of insulation	Nominal diameter
AWG	(mm²)	(mm)	(mm)*
24	0.22	0.66	2.5
22	0.34	0.66	2.6
-	0.5	0.66	2.8
20	0.6	0.66	2.9
-	0.75	0.66	3.0
18	0.93	0.66	3.1
-	1	0.66	3.2
16	1.34	0.66	3.4
-	1.5	0.66	3.5
14	-	0.66	3.8
-	2.5	0.66	4.1
12	-	0.66	4.6
-	4	0.66	4.7
10	-	0.66	4.8
Conducting metals		EG	

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/B : Internal wiring

Not cUL approved

** 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:
OMERIN division principale
Zone Industrielle – F 63600 Ambert FRANCE
Phone: +33 (0)4 73 82 50 00
omerin@omerin.com

omerin
LES CABLES DE L'EXTREME

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.

SILICONE SHEATED CABLES

SILICABLE® 150°C & 200°C

Silicone sheating UL & cUL approval

VW-1 c UL us

1 • UL and cUL approved conductors with a silicone or fluoropolymer insulation (see table below for more information).
2 • Outer sheath: Silicone rubber.

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 (LL84986)
- "Horizontal flame test" as per UL approval
- "FT1 flame rating" as per cUL approval
- "FT2 flame rating" as per cUL approval
- "VW-1 flame test" as per UL approval

Characteristics

General

- Continuous operating temperatures: -60°C to +150°C, +200°C (as per style no.)
- Good resistance to thermal shock and UV

Electrical

- Rated voltage: 600 V
- Test voltage: 6 000 V

Standard products

- Standard outer sheath colours: black with or without coloured spiral stripe
- Stranding of conducting cores: contact us

	Style n°		4389-S150-VW-1		4389-S200-VW-1		4389-E150-VW-1	
	Insulation		Silicone		Silicone		ETFE	
	Approval		AWM II A/B (Wall 1.14 mm) 150°C		AWM II A/B (Wall 1.14 mm) 200°C		AWM II A/B (Wall 1.14 mm) 150°C	
Nb. of cond	Nominal cross-section		Nominal diameter of the cond.	Nominal diameter	Nominal diameter of the cond.	Nominal diameter	Nominal diameter of the cond.	Nominal diameter
	AWG	(mm²)	(mm)	(mm)*	(mm)	(mm)*	(mm)	(mm)*
2	26	0.13	-	-	-	-	1.05	4.3
3	26	0.13	-	-	-	-	1.05	4.5
4	26	0.13	-	-	-	-	1.05	4.8
5	26	0.13	-	-	-	-	1.05	5.1
7	26	0.13	-	-	-	-	1.05	5.4
2	24	0.22	-	-	-	-	1.15	4.5
3	24	0.22	-	-	-	-	1.15	4.7
4	24	0.22	-	-	-	-	1.15	5.0
5	24	0.22	-	-	-	-	1.15	5.3
7	24	0.22	-	-	-	-	1.15	5.7
2	22	0.34	-	-	-	-	1.3	4.8
3	22	0.34	-	-	-	-	1.3	5.1
4	22	0.34	-	-	-	-	1.3	5.4
5	22	0.34	-	-	-	-	1.3	5.8
7	22	0.34	-	-	-	-	1.3	6.2
2	-	0.5	2.5	7.2	2.5	7.2	1.4	5.0
3	-	0.5	2.5	7.6	2.5	7.6	1.4	5.3
4	-	0.5	2.5	8.3	2.5	8.3	1.4	5.6
5	-	0.5	2.5	9.0	2.5	9.0	1.4	6.0
7	-	0.5	2.5	9.7	2.5	9.7	1.4	6.4
2	20	0.6	2.5	7.2	2.6	7.4	1.5	5.2
3	20	0.6	2.5	7.8	2.6	7.9	1.5	5.5
4	20	0.6	2.5	8.3	2.6	8.5	1.5	5.9
5	20	0.6	2.5	9.0	2.6	9.3	1.5	6.3
7	20	0.6	2.5	9.7	2.6	10.0	1.5	6.7
2	-	0.75	2.7	7.6	2.65	7.5	1.55	5.3
3	-	0.75	2.7	8.1	2.65	8.0	1.55	5.6
4	-	0.75	2.7	8.7	2.65	8.6	1.55	6.0
5	-	0.75	2.7	9.5	2.65	9.4	1.55	6.4
7	-	0.75	2.7	10.3	2.65	10.2	1.55	6.9
2	18	0.93	2.8	7.8	2.7	7.6	1.8	5.8
3	18	0.93	2.8	8.3	2.7	8.1	1.8	6.1
4	18	0.93	2.8	9.0	2.7	8.7	1.8	6.6
5	18	0.93	2.8	9.8	2.7	9.5	1.8	7.1
7	18	0.93	2.8	10.6	2.7	10.3	1.8	7.6
2	-	1	2.9	8.0	2.8	7.8	1.8	5.8
3	-	1	2.9	8.5	2.8	8.3	1.8	6.1
4	-	1	2.9	9.2	2.8	9.0	1.8	6.6
5	-	1	2.9	10.1	2.8	9.8	1.8	7.1
7	-	1	2.9	10.9	2.8	10.6	1.8	7.6
2	16	1.34	3.1	8.4	3.05	8.3	2.0	6.2
3	16	1.34	3.1	8.9	3.05	8.8	2.0	6.6
4	16	1.34	3.1	9.7	3.05	9.6	2.0	7.1
5	16	1.34	3.1	10.6	3.05	10.5	2.0	7.6
7	16	1.34	3.1	11.5	3.05	11.4	2.0	8.2
2	-	1.5	3.2	8.6	3.1	8.4	2.0	6.2
3	-	1.5	3.2	9.2	3.1	8.9	2.0	6.6
4	-	1.5	3.2	10.0	3.1	9.7	2.0	7.1
5	-	1.5	3.2	10.9	3.1	10.6	2.0	7.6
7	-	1.5	3.2	11.8	3.1	11.5	2.0	8.2
2	14	-	3.4	9.0	3.6	9.4	2.4	7.0
3	14	-	3.4	9.6	3.6	10.0	2.4	7.4
4	14	-	3.4	10.4	3.6	10.9	2.4	8.0
5	14	-	3.4	11.4	3.6	12.0	2.4	8.7
7	14	-	3.4	12.4	3.6	13.0	2.4	9.4
	Conducting metals		BCDEFG		B*CDEF*G		BCDEFG	

SILICABLE® 150°C & 200°C

Silicone sheating UL & cUL approval

	Style n°	4389-E150-VW-1		4389-F200-VW-1		4389-F200-VW-1		4389-F200-VW-1	
	Insulation	ETFE "Thin wall"		ETFE "Thin wall"		ETFE "Thin wall"		FEP	
	Approval	AWM II A/B (Wall 1.14 mm) 150°C		AWM II A/B (Wall 1.14 mm) 200°C		AWM II A/B (Wall 1.14 mm) 200°C		AWM II A/B (Wall 1.14 mm) 200°C	
Nb. of cond	Nominal cross-section	Nominal diameter of the cond.	Nominal diameter	Nominal diameter of the cond.	Nominal diameter	Nominal diameter of the cond.	Nominal diameter	Nominal diameter of the cond.	Nominal diameter
	AWG / (mm²)	(mm)	(mm)*	(mm)	(mm)*	(mm)	(mm)*		(mm)*
2	26 / 0.13	-	-	1.0	4.2	0.9	4.0	1.2	4.6
3	26 / 0.13	-	-	1.0	4.4	0.9	4.2	1.2	4.8
4	26 / 0.13	-	-	1.0	4.7	0.9	4.4	1.2	5.1
5	26 / 0.13	-	-	1.0	4.9	0.9	4.7	1.2	5.5
7	26 / 0.13	-	-	1.0	5.2	0.9	4.9	1.2	5.8
2	24 / 0.22	0.9	4.0	1.1	4.4	1.0	4.2	1.35	4.9
3	24 / 0.22	0.9	4.2	1.1	4.6	1.0	4.4	1.35	5.2
4	24 / 0.22	0.9	4.4	1.1	4.9	1.0	4.7	1.35	5.5
5	24 / 0.22	0.9	4.7	1.1	5.2	1.0	4.9	1.35	5.9
7	24 / 0.22	0.9	5.0	1.1	5.5	1.0	5.2	1.35	6.3
2	22 / 0.34	1.05	4.3	1.25	4.7	1.15	4.5	1.45	5.1
3	22 / 0.34	1.05	4.5	1.25	4.9	1.15	4.7	1.45	5.4
4	22 / 0.34	1.05	4.8	1.25	5.3	1.15	5.0	1.45	5.7
5	22 / 0.34	1.05	5.1	1.25	5.6	1.15	5.3	1.45	6.2
7	22 / 0.34	1.05	5.4	1.25	6.0	1.15	5.7	1.45	6.6
2	- / 0.5	1.25	4.7	1.4	5.0	1.3	4.8	1.65	5.5
3	- / 0.5	1.25	4.9	1.4	5.3	1.3	5.0	1.65	5.8
4	- / 0.5	1.25	5.3	1.4	5.6	1.3	5.4	1.65	6.2
5	- / 0.5	1.25	5.6	1.4	6.0	1.3	5.8	1.65	6.7
7	- / 0.5	1.25	6.0	1.4	6.4	1.3	6.1	1.65	7.2
2	20 / 0.6	1.35	4.9	1.5	5.2	1.4	5.0	1.7	5.6
3	20 / 0.6	1.35	5.2	1.5	5.5	1.4	5.3	1.7	5.9
4	20 / 0.6	1.35	5.5	1.5	5.9	1.4	5.6	1.7	6.3
5	20 / 0.6	1.35	5.9	1.5	6.3	1.4	6.0	1.7	6.8
7	20 / 0.6	1.35	6.3	1.5	6.7	1.4	6.4	1.7	7.3
2	- / 0.75	1.4	5.0	1.55	5.3	1.75	5.7	1.8	5.8
3	- / 0.75	1.4	5.3	1.55	5.6	1.75	6.0	1.8	6.1
4	- / 0.75	1.4	5.6	1.55	6.0	1.75	6.5	1.8	6.6
5	- / 0.75	1.4	6.0	1.55	6.4	1.75	7.0	1.8	7.1
7	- / 0.75	1.4	6.4	1.55	6.9	1.75	6.9	1.8	7.6
2	18 / 0.93	1.55	5.3	1.8	5.8	1.9	6.0	2.0	6.2
3	18 / 0.93	1.55	5.6	1.8	6.1	1.9	6.3	2.0	6.6
4	18 / 0.93	1.55	6.0	1.8	6.6	1.9	6.8	2.0	7.1
5	18 / 0.93	1.55	6.4	1.8	7.1	1.9	7.4	2.0	7.6
7	18 / 0.93	1.55	6.9	1.8	7.6	1.9	7.9	2.0	8.2
2	- / 1	1.65	5.5	1.8	5.8	1.95	6.1	2.0	6.2
3	- / 1	1.65	5.8	1.8	6.1	1.95	6.5	2.0	6.6
4	- / 1	1.65	6.2	1.8	6.6	1.95	6.9	2.0	7.1
5	- / 1	1.65	6.7	1.8	7.1	1.95	7.5	2.0	7.6
7	- / 1	1.65	7.2	1.8	7.6	1.95	8.1	2.0	8.2
2	16 / 1.34	1.9	6.0	2.0	6.2	2.2	6.6	2.2	6.6
3	16 / 1.34	1.9	6.3	2.0	6.6	2.2	7.0	2.2	7.0
4	16 / 1.34	1.9	6.8	2.0	7.1	2.2	7.5	2.2	7.5
5	16 / 1.34	1.9	7.4	2.0	7.6	2.2	8.2	2.2	8.2
7	16 / 1.34	1.9	7.9	2.0	8.2	2.2	8.8	2.2	8.8
2	- / 1.5	1.9	6.0	2.0	6.2	2.0	6.8	2.3	6.8
3	- / 1.5	1.9	6.3	2.0	6.6	2.2	7.2	2.3	7.2
4	- / 1.5	1.9	6.8	2.0	7.1	2.2	7.8	2.3	7.8
5	- / 1.5	1.9	7.4	2.0	7.6	2.2	8.5	2.3	8.5
7	- / 1.5	1.9	7.9	2.0	8.2	2.2	9.1	2.3	9.1
2	14 / -	2.25	6.7	2.4	7.0	2.6	7.4	2.6	7.4
3	14 / -	2.25	7.1	2.4	7.4	2.6	7.9	2.6	7.9
4	14 / -	2.25	7.7	2.4	8.0	2.6	8.5	2.6	8.5
5	14 / -	2.25	8.3	2.4	8.7	2.6	9.3	2.6	9.3
7	14 / -	2.25	9.0	2.4	9.4	2.6	10.0	2.6	10.0
	Conducting metals	BCDEFG		B*CDEF*G		B*CDEF*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 II A/B : External or Internal wiring

**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:
OMERIN division principale
Zone Industrielle – F 63600 Ambert FRANCE
Phone: +33 (0)4 73 82 50 00
omerin@omerin.com

omerin
LES CABLES DE L'EXTREME

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.