



Hook-up & equipment wires

UL AWM 1061

SR-PVC Hook-Up Wire

UL AWM 1061 300 V 80 °C thin-wall cut-through-resistant semi-rigid PVC (SR-PVC) wire



UL 1061 · CSA AWM I A/B

300 V · 80 °C · 10-mil SR-PVC

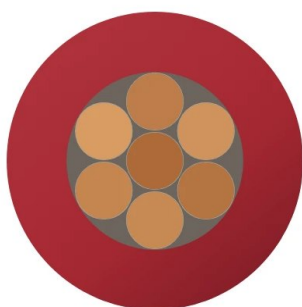
30-16 AWG Thin-Wall

Application

High-density 300 V 80 °C electronic hook-up wire certified to UL AWM Style 1061 and CSA AWM I A/B FT1, engineered with a 0.25 mm (10 mil) semi-rigid PVC (SR-PVC) wall that delivers superior cut-through, pinch and abrasion resistance in a minimal OD.

Typical uses: Telecom racks, servers & backplane harnesses, High-density crimp & IDC connector assemblies, Point-of-sale, printer & office automation chassis, Audio/video amplifiers & broadcast equipment, Core element for UL 2464 multi-conductor cables

Construction



Cross-section, not to scale

1	Stranded or solid tinned copper	ASTM B33 · UL 758
2	0.25 mm (10 mil) semi-rigid PVC (SR-PVC)	UL 758 Style 1061
3	Slick low-friction VW-1 / FT1 finish	UL 1581 VW-1 · CSA FT1

Technical data

Typical values

Rated voltage	300 V RMS	Dielectric withstand voltage	1500 V AC for 1 min · 3000 V AC spark test
Max. DC conductor resistance (20 °C)	28 AWG: ≤ 216 Ω/km · 26 AWG: ≤ 135 Ω/km · 24 AWG: ≤ 84.2 Ω/km · 22 AWG: ≤ 53.2 Ω/km · 20 AWG: ≤ 33.2 Ω/km · 18 AWG: ≤ 21.0 Ω/km	Temperature rating	–20 °C to +80 °C continuous
Short-circuit / solder heat	+150 °C to +250 °C (5 s)	Nominal insulation wall	0.25 mm (0.010 in / 10 mil) minimum average, 0.20 mm (8 mil) minimum at any point
Min. bending radius	4 × overall diameter	Space & weight reduction	Up to 25 % smaller diameter and 35 % less bundle area than UL 1007 (16-mil wall)
Flame retardance	UL 1581 VW-1 vertical wire flame test & CSA C22.2 FT1	Pinch & cut-through resistance	Semi-rigid PVC resists chassis burrs, cable ties and IDC contact blades
Standards	UL 758 Appliance Wiring Material Style 1061 (300 V, 80 °C)	Standard packing	Heat-treated ISPM-15 timber drums or spools with sealed ends

Sizes

8 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Order designation	Cores × mm ² / AWG	AWG ≈	Outer Ø min mm	Outer Ø max mm	Copper kg/km	Weight ≈ kg/km	Min. bend R mm
300 V Thin-Wall Semi-Rigid PVC Hook-Up Wire (UL 1061 · CSA AWM I A/B, 30–16 AWG) 8 sizes							
☐ UL 1061 30 AWG (7/38)	30 AWG (0.05 mm ²)	30	0.7	0.8	0	1	3
☐ UL 1061 28 AWG (7/36)	28 AWG (0.08 mm ²)	28	0.8	0.9	0	2	4
☐ UL 1061 26 AWG (7/34)	26 AWG (0.13 mm ²)	26	0.9	1.0	1	2	4
☐ UL 1061 24 AWG (7/32)	24 AWG (0.20 mm ²)	24	1.0	1.1	2	3	5
☐ UL 1061 22 AWG (7/30)	22 AWG (0.33 mm ²)	22	1.2	1.3	3	4	5
☐ UL 1061 20 AWG (7/28)	20 AWG (0.52 mm ²)	20	1.4	1.5	5	6	6
☐ UL 1061 18 AWG (16/30)	18 AWG (0.82 mm ²)	18	1.6	1.8	7	9	7
☐ UL 1061 16 AWG (26/30)	16 AWG (1.31 mm ²)	16	1.9	2.0	12	14	8

– Dimensions and weights are typical values per UL 758 Style 1061 · CSA C22.2 No. 210 AWM I A/B. Minimum fixed bending radius shown is 4 × OD.

Electrical & current ratings

8 sizes

Cross-section mm ²	AWG ≈	Max. DC resistance 20 °C, Ω/km	Single wire in air 30 °C, A	Multi-core bundle 30 °C, A
0.05	30	395	1.0	0.8
0.08	28	248	1.5	1.2
0.13	26	155	2.5	2.0
0.2	24	95.5	3.5	2.8
0.33	22	57.8	6.0	4.5
0.52	20	34.6	10	7
0.82	18	24	14	11
1.31	16	15.1	20	15

– Current ratings at 30 °C ambient in free air. Apply temperature and bundle grouping factors per applicable equipment standard.

Standards and approvals

✓ UL 758 Style 1061 · CSA C22.2 No. 210 AWM I A/B

✓ CE · RoHS 2 (2011/65/EU) · REACH

Certifications



Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone

+86 185 9591 3361

Email

info@tebaoflex.com

Web

tebaoflex.com/cables/ul-awm-1061-sr-pvc-hook-up-wire



Typical values for this cable type, based on UL 758 Style 1061 · CSA C22.2 No. 210 AWM I A/B. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.