High-temperature fluoropolymer, silicone & HV wires

UL 1422/1516 ETFE Wire

UL AWM 1422 / 1516 ETFE Thin-Wall Wire-Wrap Wire

Solid silver-plated copper ultra-thin ETFE wire-wrap & PCB jumper wire

UL AWM Style 1422 | **300 V · +105 °C** | **Fluoropolymer HT**



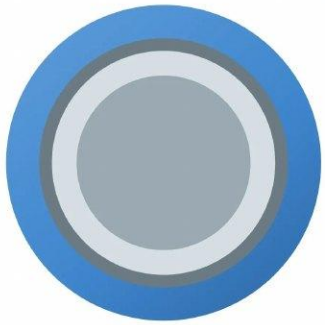
Application

UL 1422 / 1516 ETFE Wire-Wrap uses solid silver-plated copper with ultra-thin blue ETFE fluoropolymer insulation (4–6 mil) for backplane wire-wrapping, PCB rework jumpers, and miniature medical/test probes.

Typical uses: Industrial ovens, kilns & thermal processing, Aerospace avionics, defence & instrumentation, Steelworks, glassworks & foundry equipment, Switchgear cabinets, motors & heating appliances

Construction





Cross-section, not to scale

1	**Conductor**	ASTM B298 solid silver-plated annealed copper · ASTM B298 Silver Cu
2	**Extruded insulation**	Blue ultra-thin extruded ETFE fluoropolymer insulation · UL AWM Style 1422

Technical data

Typical values

Rated voltage	300 V	**Test voltage**	1.5 kV AC
Conductor	ASTM B298 solid silver-plated annealed copper	**Insulation**	Blue ultra-thin extruded ETFE
Impedance / insulation	≥ 1,000 MΩ·km at 20 °C	**Temp. range (fixed)**	-65 °C to +105 °C
Temp. range (flexing)	-40 °C to +105 °C	**Peak / short-circuit**	+160 °C (5 s)
Min. bending radius	5 × OD (fixed)	**Flame / fire rating**	UL VW-1 Flame
Thermal / chemical	Ultra-Thin 4–6 mil ETFE	**Mechanical / special**	High Cut-Through Strength
Outer finish	Blue ultra-thin extruded ETFE		

Sizes

4 standard constructions

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

	Conductor AWG	Outer Ø ≈ mm	Max. R20 Ω/km	Metal index kg/km	Weight ≈ kg/km	Min. bend R 5×D mm
☐	1×30 AWG	0.5	340.00	1	9	2.5
☐	1×28 AWG	0.6	213.00	1	9	3.0
☐	1×26 AWG	0.7	134.00	1	9	3.5
☐	1×24 AWG	0.8	84.20	2	11	4.0

- Conductor DC resistance R20 at 20 °C per ASTM B298 Silver Cu.
- Minimum bending radius calculated at 5 × nominal outer diameter (OD). Custom core counts and lengths available on request.

Standards and approvals

- ✓ UL AWM Style 1422
- ✓ UL AWM Style 1516
- ✓ ASTM B298 Silver Cu
- ✓ EN 10204 3.1 Factory Test Certificate
- ✓ 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-1422-1516-etfe-wire-wrap-kynar-type-wire

Typical values for this cable type, based on UL AWM Style 1422 · UL AWM Style 1516 · ASTM B298 Silver Cu. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.