

# HOOK-UP WIRE

## KYNAR\* WIRE WRAP

## TEFZEL\*\* WIRE WRAP

UL 1422, UL 1423: 105°C  
UL 1516, UL 1523: 105°C

### WIRE WRAP

Wire wrapping is an automatic or semi-automatic termination method generally used in large scale wiring of computer backpanels. It involves the helical wrapping of a solid conductor around a rectangular post under controlled tension. Alpha Kynar and Tefzel wire wrap wires are manufactured with silver-plated OFHC† conductors. The presence of even minute amounts of oxygen in copper can reduce conductivity and cause embrittlement when the copper is subjected to physical stress. OFHC copper retains its mechanical and electrical integrity even after subject to the high forces of the wire wrapping process.

Both Kynar and Tefzel exhibit high abrasion, heat and cut-through resistance.



#### UL 1422, UL 1423: KYNAR WIRE WRAP, 125°C

Alpha Part No.	Conductor AWG	Insul. Thickness		Diameter		UL Style	Stock Colors*
		Inches	mm	Inches	mm		
5951	30	0.0045	0,11	0.020	0,51	1423	1-10
5952	28	0.0055	0,14	0.024	0,58	1422	1-10
5953	26	0.0055	0,14	0.027	0,68	1422	1-10
5954	24	0.0045	0,11	0.030	0,76	1423	1-10

\*See color chart below

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- Kynar Wire Wrap: -40°C to 125°C (UL 105°C)
- Tefzel Wire Wrap: -70°C to 150°C (UL 105°C)

#### PRODUCT DESCRIPTION:

- Conductor: Solid Silver-Plated OFHC‡ Copper
- Insulation:
  - Color-Coded Kynar (Polyvinylidene Fluoride)
  - Color-Coded Tefzel (Ethylene-Tetrafluoroethylene Copolymer)



#### UL 1516, UL 1523: TEFZEL WIRE WRAP, 150°C

Alpha Part No.	Conductor AWG	Insul. Thickness		Diameter		UL Style	Stock Colors*
		Inches	mm	Inches	mm		
1805	30	0.0045	0,11	0.020	0,51	1516	1-10
1806	28	0.0055	0,14	0.024	0,58	1523	1-10
1807	26	0.0055	0,14	0.027	0,69	1523	1-10
1808	24	0.0045	0,11	0.030	0,76	1516	1-10

\*See color chart below

\*Kynar is a registered trademark of ELF Atochem, North America, Inc.

\*\*Registered trademark of E.I. DuPont

‡OFHC-(Oxygen-Free High Conductivity) is a registered trademark of Amax, Inc.

### SPECIFICATIONS

- UL AWM Style 1422
- UL AWM Style 1423
- UL AWM Style 1516
- UL AWM Style 1523



Recognized Component  
Underwriters Laboratories Inc.



Passes  
UL VW-1 Flame Test  
Underwriters Laboratories Inc.

### AVAILABILITY

- Kynar Wire Wrap: 1000 ft (305m) putups
- Tefzel Wire Wrap: 100 ft (30,5m), 1000 ft (305m) put-ups

#### \*STOCK COLOR CHART

1-White	3-Red	5-Yellow	7-Brown	9-Gray
2-Black	4-Green	6-Blue	8-Orange	10-Violet (purple)



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