

# Kynar Wires

## Prototyping Wires



### Features:

- Wire wrapping-making solderless connections of wires to terminals remains the preferred method for both automatic and semi-automatic termination in the wiring of computer back panels
- Due to kynar's superior mechanical properties, high temperature characteristics and economical price, Kynar insulated wire wrap products are the most popular choice in the industry
- These insulated wires are available in guage size 26, in single conductor or twisted pair constructions, and may be ordered to a variety of UL or CSA listings, as well as conforming to Mil-W-81822/3

### Specifications and Standard Put-Up Data UL Style 1423

105°C, Voltage Not Specified, 4 mil Minimum Average Wall, 3 mil Minimum at Any Point, Silver Plated Copper Conductor					
Conductor		Overall Diameter			Standard Put-Up (ft)
AWG	Diameter	Minimum	Nominal	Maximum	
26	0.0159	0.0245	0.026	0.0275	11,000

Dimensions : Inches

### Specifications and Standard Put-Up Data UL Style 1422

105°C, Voltage Not Specified, 5 mil Minimum Average Wall, 4 mil Minimum at Any Point, Silver Plated Copper Conductor					
Conductor		Overall Diameter			Standard Put-Up (ft)
AWG	Diameter	Minimum	Nominal	Maximum	
26	0.0159	0.0255	0.027	0.0285	9,000

Dimensions : Inches

### Specifications and Standard Put-Up Data Mil-W081822/3B

135°C, 300 V, Silver Plated Oxygen Free Conductor					
Conductor		Overall Diameter			Standard Put-Up (ft)
AWG	Diameter	Minimum	Nominal	Maximum	
26	0.0159	0.028	0.0295	0.031	9,000

Dimensions : Inches

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Insulation Properties :	
Characteristics	Value
Specific Gravity	1.75
Tensile Strength at Yield 75°F (p.s.i)	5,200
Elongation at Break (%)	50 to 250
Dielectric Constant at 60 Cycle	8.4
Dielectric Constant V / mil	950
Hardness Durometer Shore D	75 to 80
Flexural Modulus at 75°F (p.s.i)	156 to 260 × 10 <sup>3</sup>
Water Absorption (%)	0.04
Service Temperature	275°F (135°C)
Flamability	V-0

### Specification Table

AWG Size	Colours	Conductor Size (Inches)	Number of Conductors	Part Number
26	Black	0.0159	1	100-26BK
	Blue			100-26B
	White			100-26W

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