



Premium  
46-35 Series

# WIRE ARMOUR

## Professional Grade Color Coding Vinyl Electrical Tape

### Specifications

A 7 mil (0.18 mm) all weather, professional grade, pressure sensitive vinyl tape that is available in nine colors for color coding and insulating. Cold and weather resistant. Flame retardant. Use Premium 46-35 for easy identification of electrical circuits, containers, and conduit systems, as well as primary insulation for splices at not more than 600 volts.



### Technical Characteristics

Property	Value	Unit	Test Method
Thickness	0.007	inch	ASTM D 1000
	0.18	mm	ASTM D 1000
Tensile Strength	17	lb./in.	ASTM D 1000
	30	N/cm	ASTM D 1000
Elongation	200	%	ASTM D 1000
Adhesion to Steel	20	oz./in.	ASTM D 1000
	2.2	N/cm	ASTM D 1000
Adhesion to Backing	20	oz./in.	ASTM D 1000
	2.2	N/cm	ASTM D 1000
Adhesion to Backing @ -7°C	50	oz./in.	ASTM D 1000
	5.5	N/cm	ASTM D 1000
Unwind @ 7°C	100	oz./in.	ASTM D 1000
	11	N/cm	ASTM D 1000
Flammability	4 Max.	second	ASTM D 1000
Flagging	0.12 Max.	inch	ASTM D 1000
	25 max.	mm	ASTM D 1000
Temperature Rating: Maximum	176 / 80	°F / °C	UL 510
	221 / 105	°F / °C	CSA 22.2 no. 197
Minimum	14 / -10	°F / °C	UL 510
	32 / 0	°F / °C	CSA 22.2 no. 197
Dielectric Strength: Standard	7500	V	ASTM D 1000
Wet	6800	V	ASTM D 1000
Dielectric Constant	3.2	—	ASTM D 150
Power Factor	0.01	—	ASTM D 150
Insulation Resistance	1x10 <sup>6</sup>	MΩ	ASTM D 1000

### Features:

- 7 mil thickness
- Cold and weather resistant
- High dielectric strength
- Highly elastic
- Highly comfortable
- Highly UV resistant
- Flame retardant
- Highly resistant to sun, water, oil, acids, alkalis and corrosive chemicals
- Lead free
- Meets:
  - ASTM D 3005, Type I
  - ASTM D 1000
  - HH-1595C / A-A-55809A
  - EN 60454-3-1, Type 11
  - UL 510
  - CSA C 22.2 No. 197

### Recommended Uses

Used for general splicing purposes. Can be used as primary insulation for splices up to 600 volts. Provide a protective outer jacket over splices for all low temperature applications. Can be used for wrapping wire harnesses and insulating degaussing coils.

### Standard Sizes:

- 0.75 in. x 66 ft. (19mm x 20m)

### SKU Chart

Cat. No.	Color
46-35-WHT	White
46-35-BLU	Blue
46-35-RED	Red
46-35-GRN	Green
46-35-YLW	Yellow
46-35-ORN	Orange
46-35-BRN	Brown
46-35-GRY	Gray
46-35-VIO	Violet

Information provided is for reference only. Data in table represents average test results and are not to be used for specification purposes. The product user should make their own tests to determine the products suitability for the intended use.

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