



WIRE ARMOUR

Part No. 46-35 Series



Specifications

A 7 mil (0.18mm) 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
Temperature Rating: Minimum	14/-10	°F / °C	UL 510
	32/0	°F / °C	CSA 22.2 no. 197
Dielectric Strength: Standard	7,500	V	ASTM D 1000
Dielectric Strength: Wet	6,800	V	ASTM D 1000
Dielectric Constant	3.2	---	ASTM D 150
Power Factor	0.01	---	ASTM D 150
Insulation Resistance	1x10 ⁶	MΩ	ASTM D 1000

Features:

- 7 mil thickness
- Cold and weather resistant
- High dielectric strength
- Highly elastic
- 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. Provides a protective outer jacket over splices for all low temperature applications. Used for identification and marking of phases.

Standard Sizes:

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

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

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