



**Premium Heavy-Duty
Part No.46-88**

WIRE ARMOUR

Professional Grade Vinyl Electrical Tape

Specifications

An 8.5 mil (0.21 mm) all weather, heavy-duty professional grade, pressure sensitive vinyl tape that provides a thicker layer for added mechanical and electrical protection. Cold and weather resistant. Flame retardant. Premium 46-88 can be used as primary insulation for splices up to 600 volts. Excellent protective jacket overall types of splices. Excellent cold weather performance.

Technical Characteristics

Property	Value	Unit	Test Method
Color	Black	—	—
Thickness	0.0085	inch	ASTM D 1000
	0.21	mm	ASTM D 1000
Tensile Strength	20	lb./in.	ASTM D 1000
	35	N/cm	ASTM D 1000
Elongation	300	%	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	50	oz./in.	ASTM D 1000
	5.5	N/cm	ASTM D 1000
Flammability	4 Max.	second	ASTM D 1000
Flagging	0.12 Max.	inch	ASTM D 1000
	3 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
	0 / -18	°F / °C	CSA 22.2 no. 197
Dielectric Strength: Standard	10,000	V	ASTM D 1000
Dielectric Constant	3.2	—	ASTM D 150
Dielectric Wet	9000	V	ASTM D 1000
Power Factor	0.01	—	ASTM D 150
Insulation Resistance	1x10 ⁶	MΩ	ASTM D 1000

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.



Features:

- 8.5 mil thickness
- Cold and weather resistant
- High dielectric strength
- Highly elastic
- Flame retardant
- Highly resistant to sun, water, oil, acids, alkalis and corrosive chemicals
- Lead free
- Meets:
 - ASTM D 3005, Type I
 - 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.

Standard Sizes:

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

IDEAL INDUSTRIES, INC. ND
8704-1



www.itm.com

information@itm.com

1.800.561.8187