

WIRE ARMOUR™

PREMIUM PROFESSIONAL

VINYL ELECTRICAL TAPE



STRETCH, BOND, INSULATE AND PROTECT

When performance matters, you can count on Wire Armour™ premium vinyl electrical tape to: insulate and protect; stretch with strength; and bond under the toughest conditions, and most critical applications. All at a great value.

Brought to you by IDEAL, the Electrician's Champion.

THE ELECTRICIAN'S
CHAMPION™



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WIRE ARMOUR

PREMIUM PROFESSIONAL VINYL ELECTRICAL TAPE



WHEN PERFORMANCE MATTERS

Available in 10 colours, Wire Armour™ premium electrical tape features Blue Core technology that provides high elasticity, and is suitable for use in extreme temperatures, from cold weather applications as low as -18°C, up to 105°C. Additionally, Wire Armour™ premium electrical tape is flame retardant, has high UV resistance, and is impervious to water, oil, acids, alkalis and a wide variety of corrosive chemicals. Primary used for insulation of splices up to 600V.



Features and Benefits

- Cold and Weather Resistant
- High Elasticity
- Flame Retardant
- High UV Resistance
- Impervious to water, oil, acids, alkalis and a variety of corrosive chemicals



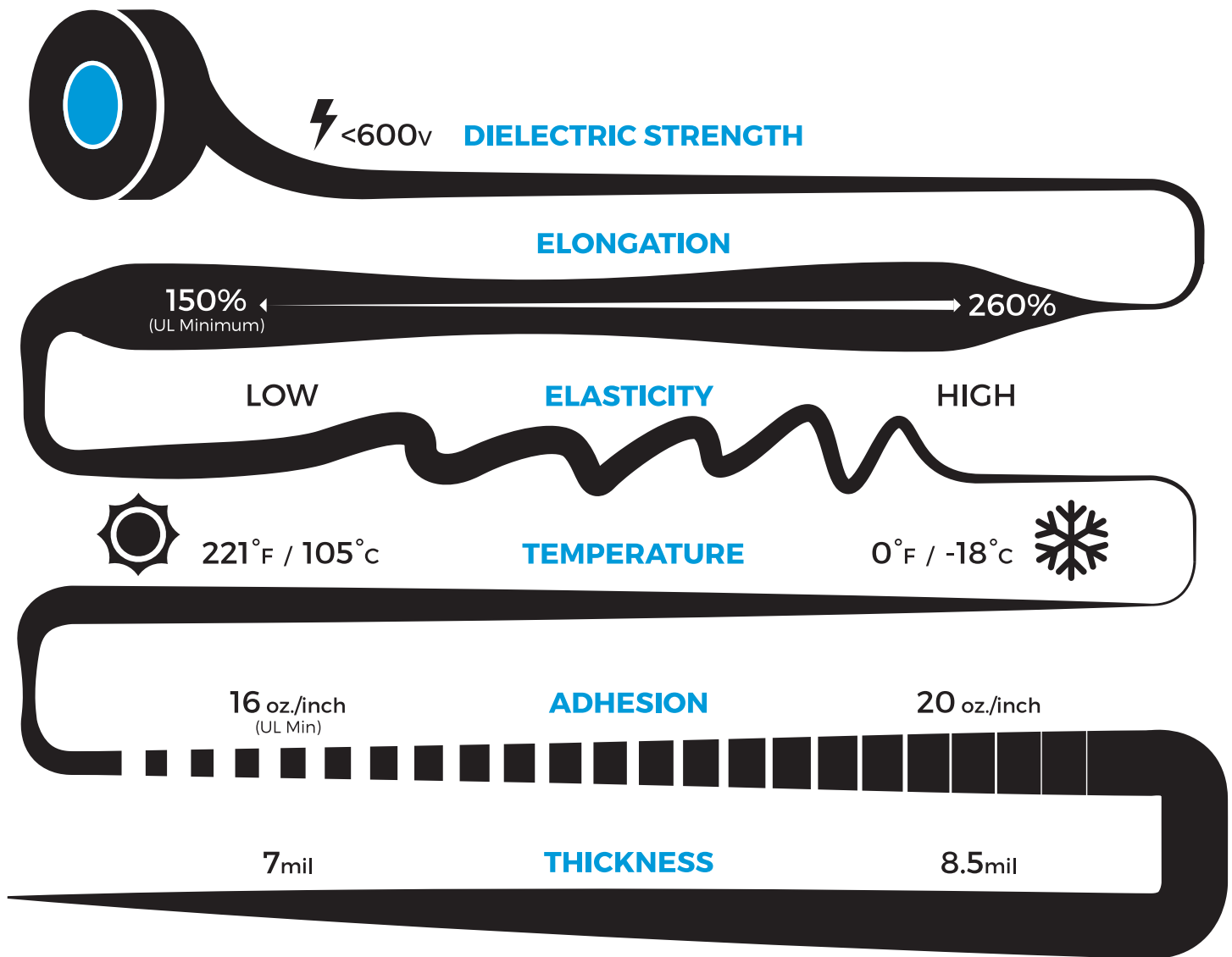
Common Applications

- Primary insulation for splices up to 600V
- Colour coding provides quick identification of electrical phases, circuits, feeders and branches
- General splicing
- Provides a protective outer jacket over splices for low temperature applications
- Wrapping, wire harness, insulating of degaussing coils



Agency Listings/Compliance

- ASTM D 3005, Type 1
- ASTM D 1000
- UL Listed 510: Standard for Polyvinyl Chloride, Polyethylene and Rubber Insulating Tape
- CSA Listed: PVC Insulating Tape
- Lead Free



THE ANATOMY OF VINYL ELECTRIC TAPE

ELONGATION AND ELASTICITY

Elongation is one of the critical factors in electrical vinyl tape when it comes to stretch and its ability to protect and seal a connection.

Good elongation correlates to high tensile strength which leads to a tighter connection that is protected from the elements. The elasticity of the premium tape helps make tight and secure connections.

- Premium vinyl tape stretches to more than 2X its original length
- UL minimum for elongation is 150%, don't settle for just meeting the minimum

ADHESION

When performance matters, you need to trust that the adhesive will create a secure bond. Physical signs of adhesive breakdown can be seen by tape flagging and tape curling, which can be caused by a wide variety of factors: from the breakdown of the adhesive layers, the presence of contaminants on the adhesive, and even high temperatures which can weaken the adhesive properties exposing the connection to corrosion.
















TEMPERATURE

When it comes to premium tape you want a line that will perform in a wide variety of environmental conditions. Not all tapes can be trusted to stick in extreme temperatures. In cold environments, you need a vinyl tape that will not harden and create a weak bond. In hot environments, you want a tape that can handle the heat and won't cause the adhesive to melt creating a loose connection.

- Premium vinyl tape will perform over a wide range of temperatures from -18°C to 105°C (0°F to 220°F)
- Premium vinyl tape is designed to adhere in extremely low temperature applications.
- In extreme heat, cheaper grades of tape will ooze out the adhesive creating a weaker bond.

PERFORMANCE WHERE IT MATTERS



	Wire Armour™ 46-33 Professional Vinyl Electrical Tape	Wire Armour™ 46-35 Colour Coding Electrical Tape
Thickness	7.0 MIL	7.0 MIL
Low Temperature Rating	 -18°C	 0°C
High Temperature Rating	 105°C	 105°C
Flame Retardant		
Adhesion Strength (Adhesion to Steel at 72°F)	 20 oz./in	 20 oz./in
Elongation	 260%	 200%
Tensile Strength	 17 lb/in	 17 lb/in
Dielectric Strength (Standard)	 9,000 V	 7,500 V
Available Colours	Black	

Product Offering

Cat. No.	UPC	Case Quantity	Color	Thickness	Dimension
46-33	783250799022	10	Black	7 mil	3/4" x .007" x 66'
46-35-WHT	783250796007	10	White	7 mil	3/4" x .007" x 66'
46-35-BLU	783250795987	10	Blue	7 mil	3/4" x .007" x 66'
46-35-RED	783250795994	10	Red	7 mil	3/4" x .007" x 66'
46-35-GRN	783250796014	10	Green	7 mil	3/4" x .007" x 66'
46-35-YLW	783250796021	10	Yellow	7 mil	3/4" x .007" x 66'
46-35-ORN	783250796038	10	Orange	7 mil	3/4" x .007" x 66'
46-35-BRN	783250796045	10	Brown	7 mil	3/4" x .007" x 66'
46-35-GRY	783250796052	10	Gray	7 mil	3/4" x .007" x 66'
46-35-VIO	783250796069	10	Violet	7 mil	3/4" x .007" x 66'



IDEAL INDUSTRIES, INC.

IDEAL INDUSTRIES (CANADA) CORP.

33 Fuller Road, Ajax ON, L1S2E1 / 905-683-3400 • 800-263-3115 in Canada

www.idealindustries.ca