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 in the toughest conditions and most critical applications at a great value. Brought to you by IDEAL® Electrical, your manufacturer with the professional tools and supplies for every stage of the work, because we are the Electrician's Champion.

THE ELECTRICIAN'S CHAMPION™

IDEAL®

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VINYL ELECTRICAL TAPE

WHEN PERFORMANCE MATTERS

The IDEAL® line of premium vinyl electrical tape provides superior performance over a wide range of temperatures up to 105°C. Suitable for wide temperature extremes, from cold weather applications as low as -18°C. With blue core technology that provides high elasticity, that is flame retardant, high UV resistant that is impervious to water, oil, acids, alkalis and a wide variety of corrosive chemicals. Primary for insulation for splices up to 600V. Brought to you by IDEAL Electrical, your manufacturer of choice.

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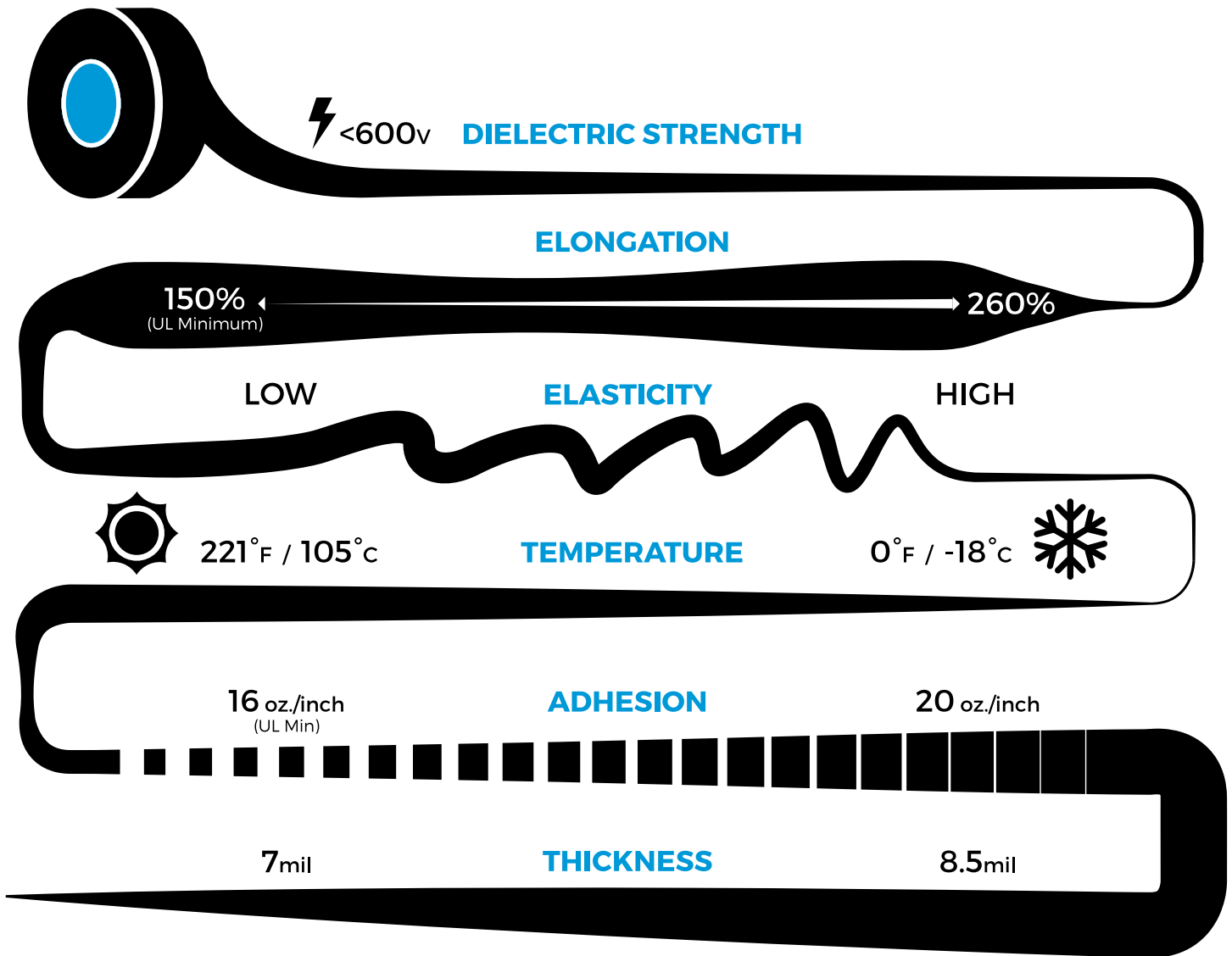
Common Applications
- Primary insulation for splices up to 600V
- Color coding provides quick identification of electrical phases, circuits, feeders and branches
- General splicing
- Provides a protective outer jacket over splices for low temperature applications
- Wrapping, wire harness, insulating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

⚡ **<600v** **DIELECTRIC STRENGTH**

ELONGATION

150% ◂
(UL Minimum)

260%

LOW **ELASTICITY** HIGH

221°F / 105°C **TEMPERATURE** **0°F / -18°C** ❄

16 oz./inch **ADHESION** **20** oz./inch
(UL Min)

7mil **THICKNESS** **8.5**mil

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 Color Coding Electrical Tape	Wire Armour™ 46-88 Heavy-Duty Professional Grade Vinyl Electrical Tape
Thickness	7.0 MIL	7.0 MIL	8.5 MIL
Low Temperature Rating	0˚F	32˚F	0˚F
High Temperature Rating	221˚F	221˚F	221˚F
Flame Retardant			
Adhesion Strength (Adhesion to Steel at 72˚F)	20 oz./in	20 oz./in	20 oz./in
Elongation	260%	200%	300%
Tensile Strength	17 lb./in.	17 lb./in.	20 lb./in.
Dielectric Strength (Standard)	9,000 V	7,500 V	10,000 V
Available Colors	Black	(Orange, Violet, Yellow, Blue, Brown, Green, Gray, Red, White)	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'
46-88	783250796076	10	Black	8.5 mil	3/4" x .0085" x 66'