

Why Use Heat Shrink Tubing?

Applications frequently use heat shrink tubing for improving protection, maximizing longevity, and increasing ease of maintenance for circuit wiring. Some of the specific benefits of heat shrink tubing include:

Protection of Wires and Cables from Harsh Environments

A primary advantage of heat shrink tubing is to protect cables and wiring from cutting, abrasion, scuffing, and low impact. The materials provide sufficient protection from many types of environmental factors, including temperature and humidity, along with liquids such as water, acids, and oil.



Proper Wire Insulation

Heat shrink tubing improves protection through proper insulation of both connections and wires in electrical circuits. Unlike other insulation solutions, they don't experience wear and won't come off with age.



Provide Strain Relief for Wires

Over time, cables and wires often experience strain and stretch because of insufficient length or space. Eventually, this strain could shorten the lifespan of the wires. Heat shrink tubing prevents strain from causing damage to wires and cables, making them more durable.



Cable Bundling

Another advantage of using heat shrink tubing is the ability to bundle a group of wires or cables in one tube, which makes these systems more aesthetically pleasing while making it easier to manage them.



Protection from Rust

Welded joints, metal piping, and other hardware may experience wear from rust buildup. Heat shrink tubes offer added protection against rust by merging perfectly with these surfaces to prevent rusting and other types of wear or damage.



Heat Shrink Tubing Benefits



Chemical Resistance



Color Identification



Flexibility



Displacement of Tape, Glue, or Glass



UV Resistance



Waterproof Protection



Flame Retardance



Reduced Operating Time



Lower Applied Cost



Cable Routing

Heat Shrink Tubing and Insulation Sleeving from National Plastics and Seals

If you would like to **learn more** about the heat shrink tubing and insulation sleeving products available at National Plastics and Seals, **contact us today** with any questions. To get started on a solution based on your unique needs, **request a quote** for our products.



www.nationalplastics.com