

Shrink-Kon® heat-shrinkable tubing

Protect against moisture, corrosion and abrasion!



ABB has you covered when it comes to insulation!

- Easy to use
- Heat shrinkable
- Products for heavy, medium and thin walls
- Covers available for H-type taps and splices

Shrink-Kon heavy-wall heat-shrinkable insulators

When it comes to moisture-proofing connections and terminations, ABB's heat-shrinkable tubing, boots and end caps have proven themselves over years of service to the industry. Made of thermally stabilized cross-linked polyolefin, these heat-shrinkable insulators can be used over lead, steel, aluminum, copper, standard plastic and elastomeric insulating materials.



ABB heat-shrinkable insulators are designed to be easy to use. They provide an appropriate level of insulation and abrasion protection.

Where applicable, ABB heat-shrink insulators are UL® listed. Also, all standard-size insulators have an internally applied adhesive sealant.

ABB heat-shrinkable insulators offer:

- Heavy-duty protection
- A full range of sizes from #14 to 2500 kcmil
- Field-proven reliability
- Internal sealant provides protection against moisture

Featured products include:

- High Shrink Ratio HSHR series with 6:1 shrink ratio designed for applications with extreme differences between cable, connector and back shell sizes
- Flame Retardant HSFR series provides maximum flame retardancy

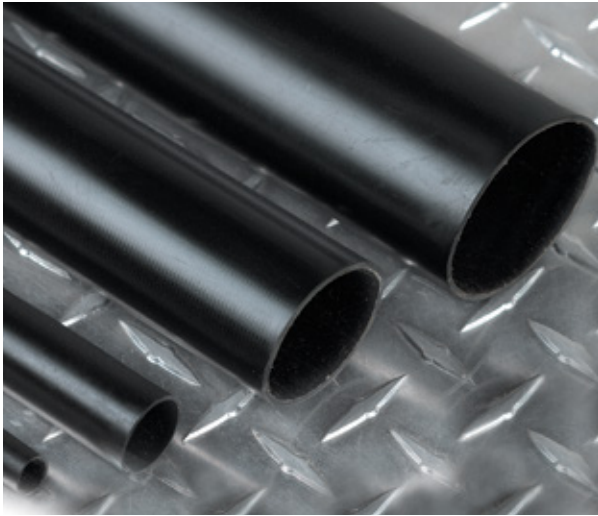


Shrink-Kon heavy-wall heat-shrinkable end cap and boots

Redesigned for superior durability and performance!

Seals and insulates cable ends at a 600 V rating. Installs fast, while providing insulation resistance to moisture, corrosion and abrasion. The extra thickness at the tip of the end cap prevents sharp ends of the cable from puncturing the seal.

Seals and insulates multiconductor cables and conduit with the same cost savings and superior properties of ABB's heat-shrinkable tubing. These boots replace time-consuming tapes, epoxies, encapsulations and dips. The boots are internally coated with sealant.



Shrink-Kon medium wall tubing

More flexible than heavy-wall products, with excellent resistance to impact and abrasion.

- Seals and protects cable splices and terminations
- Thermoplastic adhesive liner guarantees complete environmental protection and insulation

Shrink-Kon thin wall tubing

Manufactured from stabilized Polyolefin, these insulators are used to insulate bare Sta-Kon® and Blackburn® connectors and splices. They also provide a degree of strain relief and may be used to harness wires. Available in cut pieces or reels.

Featured products include:

- Standard non-lined 2:1 thin wall tubing
- 3:1 adhesive-lined thin wall CPO-A series provides excellent flexibility with environmental sealing capability
- Extra-clear heat shrink for use on power connections and data connections

Covers

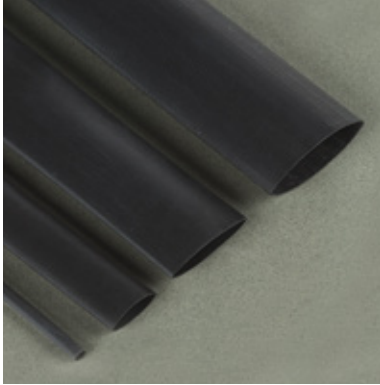
These new insulating covers provide hard-shell insulated protection for “H” type compression taps and splices, and, because there is no taping required, you get uniform quality and appearance each time. The exclusive locking design provides the range-taking capability. Only six H-tap insulating catalog numbers accommodate the range of #6 AWG – 1000 kcmil in the main and #12 AWG – 500 kcmil in the branch.

- Hard-shell outer covers guard against impact, inner seal keeps out dust
- Installs quickly and easily without special tools – Simply snap together
- Eliminates time-consuming taping
- Provides high-quality, neat, uniform installations
- Range-taking design reduces inventory



Shrink-Kon® heat-shrinkable tubing

CPO-A series – Thin-wall, adhesive lined



3:1 Shrink ratio

- Adhesive lined for moisture-proof environmental seal
- High 3:1 shrink ratio for covering irregularly shaped objects
- Continuous operating temperature -55 °C to 110 °C
- Shrink temperature 120 °C

CPO-A series thin-wall heat-shrinkable tubing

Cat. no.	Dimensions (in.)			Code cable size (AWG)	Standard length (in.)	Std. pkg. qty.
	Min. expanded I.D.	Max. recovered I.D.	Nominal recovered wall			
CPO-A-125-48	0.13	0.02	0.04	#24-#30	48	25
CPO-A-187-48	0.18	0.06	0.05	#14-#22	48	25
CPO-A-250-48	0.25	0.08	0.05	#10-#22	48	25
CPO-A-375-48	0.38	0.14	0.05	#6-#16	48	25
CPO-A-500-48	0.50	0.19	0.07	#2-#12	48	25
CPO-A-750-48	0.75	0.31	0.07	3/0-#4	48	25

Note: Non-standard colors, sizes and lengths available subject to factory quotation. Standard color: Black

CPO-A series specifications

Property	Test method	Typical performance
Physical		
Tensile strength	ASTM D2671, ISO 37	2200 psi (15.0 MPa)
Elongation	ASTM D2671, ISO 37	400%
Heat shock (4 hrs. at 250 °C)	ASTM D2671	No cracking or flowing
Longitudinal change	ASTM D2671	±5%
Low-temperature flexibility (4 hrs. at -55 °C)	ASTM D2671	No cracking
Specific gravity	ASTM D792, ISO R1183	1.1
2% Secant modulus	ASTM 2671	1600 psi (110 MPa)
Heat-resistant properties (168 hrs. at 175 °C)	MIL-DTL-23053/4	240%
Flammability	ASTM D2671	Moderately flame retardant

Property	Test method	Typical performance
Electrical		
Dielectric strength	ASTM D2671, IEC 243	600 V/mil (24 kV/mm)
Volume resistivity	ASTM D2671	1016 ohm-cm
Chemical		
Fluid resistance	MIL-DTL-23053/4, ISO 1817, ISO 37	Good to excellent
Fungus resistance	ASTM G21	No growth
Copper corrosion	ASTM D2671	No corrosion
Water absorption	ASTM D570	0.2%