

Sealing and Protection for Wire Bundles, Connectors, Terminals and Splices



ES Caps

ES Caps are specially designed to provide mechanical and environmental protection of stub splices in electrical harnesses. Clear caps allow see-through inspection; black caps are flame-retarded.



ES Caps

Heat-shrinkable one-piece caps with a thick adhesive liner which provide complete environmental and moisture sealing for stub splices.

The cap, with a pre-crimped end, is placed over the splice and when it is heated the adhesive melts and is squeezed around and between the crimped or welded wires by the shrinking action of the tube.

The tough high density jackets also provide electrical insulation, excellent mechanical cut-through and abrasion protection as well as effective strain relief for the splice.

Benefits

- 4:1 shrink ratio allows a few sizes to cover a wide range of splice and component diameters.
- Mechanically tough jacket provides strain relief and abrasion protection.
- Thick adhesive liner forms an effective barrier against fluids and moisture and performs well at an extended temperature range.
- RoHS/ELV compliant

High-Shrink-Ratio, Adhesive-Lined Semirigid Polyolefin Caps

Product Features

ES Caps


- Continuous operating temperatures from -40°C up to $+125^{\circ}\text{C}$ * (3000 hrs) (*with tape to help secure cap)
- Minimum shrink temperature: 100°C
- Minimum full recovery temperature: 135°C
- Flame retarded (black only)
- Black and clear cap options
- 4:1 shrink ratio

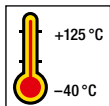
Product Dimensions

Inside diameter (including Core)				Recovered Wall Thickness**		
Standard Length* as Supplied mm	Maximum Expanded as Supplied mm	Maximum Recovered after Heating mm	Total Wall after Heating mm	Total Jacket Wall after Heating mm	Total Adhesive Wall after Heating mm	Ordering Description
30.35	5.72	1.27	1.20	0.64	0.56	ES-Cap-NO. 1
30.35	7.44	1.65	1.52	0.76	0.76	ES-Cap-NO. 2
40.50	10.85	2.41	1.91	0.89	1.37	ES-Cap-NO. 3

*) Other cap lengths available upon request.
**) The wall thickness of the tubing will be less than specified if recovery is restricted during shrinkage.

Ordering Information

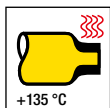
Standard Colours	Black (0)	Clear (X)
Size Selection	Always order the largest size that will shrink snugly over the component to be covered.	
Standard Packaging	Cut pieces	
Marking	Caps will be marked with the number sizes (for example ES-1, ES-2, or ES-3).	
Ordering Description	Specify product name, size and colour (for example ES-CAP-NO. 1)	
Specifications/Approvals	Series	UL 
	ES-CAP	E85381, 600 V, 125°C
		TE
		RW-3006



Operating Temperature Range



Shrinking Ratio



Shrink Temperature



Flame Retarded (black only)



Fluid Resistant



Underwriters Laboratories