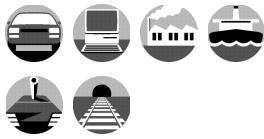


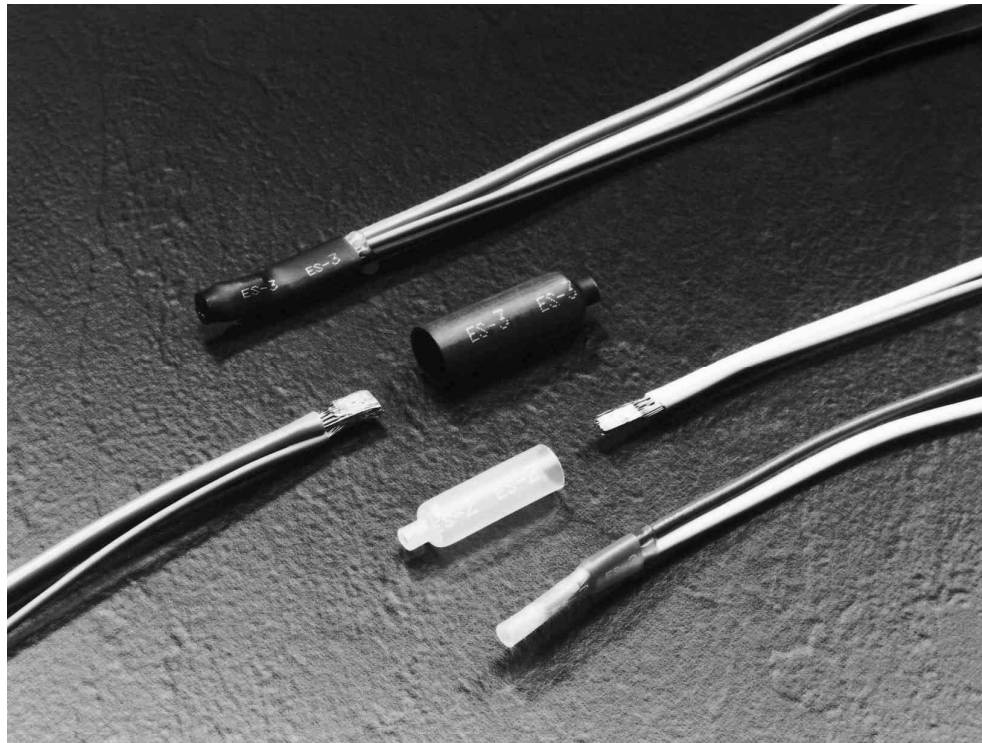
**High-Shrink-Ratio, Adhesive-Lined, Semirigid Polyolefin Caps**

**Product Facts**

- 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



**ES Caps**



**Applications**

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

**Installation**

Minimum shrink temperature: 100°C [212°F]  
 Minimum full recovery temperature: 135°C [275°F]

**Operating Temperature Range**

-40°C to 105°C  
 [-40°F to 221°F]

**Specifications/Approvals**

<b>Series</b>	<b>UL</b> 	<b>Raychem</b>
ES Caps	E85381 600 V, 125°C	RW-3006

<b>Available in:</b>	<b>Americas</b>	<b>Europe</b>	<b>Asia Pacific</b>
	■	■	■

**Product Dimensions**

**ES Caps (Continued)**

Part Number	Inside Diameter (Including Core)			Recovered Wall Thickness**		
	Standard Length* as Supplied (Millimeters)	Minimum Expanded as supplied	Maximum Recovered After Heating	Minimum Total Wall After Heating	Minimum Jacket Wall After Heating	Minimum Adhesive Wall After Heating
ES Cap-No.1	30, 35	5.72 [0.225]	1.27 [0.050]	1.20 [0.047]	0.64 [0.025]	0.56 [0.022]
ES Cap-No.2	30, 35	7.44 [0.293]	1.65 [0.065]	1.52 [0.060]	0.76 [0.030]	0.76 [0.030]
ES Cap-No.3	40, 50	10.85 [0.427]	2.41 [0.095]	1.91 [0.075]	0.89 [0.035]	1.02 [0.040]

\*Other cap lengths available upon request.

\*\*Wall thickness will be less if cap recovery is restricted during shrinkage.

**Ordering Information**

Color	Standard	Black (-0), clear (-X)
Size selection	Always order the largest size that will shrink snugly over the component to be covered. Other cap lengths available on request.	
Standard packaging	In pieces.	
Marking	Caps will be marked with their numbered size (such as ES-1, ES-2, or ES-3).	
Ordering description	Specify product name, size, color, and length (for example, ES CAP-No. 2-X-35mm).	

**Semirigid,  
Encapsulant-Lined,  
Polyolefin Caps**

**Product Facts**

- 3:1 shrink ratio
- Permanent or temporary way to terminate wires
- Rapid, simple installation
- Rugged protection against abrasion, vibration, and flexing
- PD caps provide a splash-resistant, moisture-resistant covering (but not intended for use where immersion in fluids is required)

**PD Caps**



**Applications**

PD Caps offer an improved, inexpensive way to encapsulate crimped electrical connections, including those on motor coils. Their encapsulant lining melts and flows to fill surface irregularities of the substrate. These vibration-proof caps are used to insulate and terminate dead-end electrical cables, fixtures, connectors, and other electrical components.


**Installation**

Minimum shrink temperature: 125°C [257°F]  
Minimum full recovery temperature: 135°C [275°F]

**Operating Temperature Range**

-55°C to 110°C  
[-67°F to 230°F]

**Specifications/Approvals**

Series	UL 	Raychem
PD Caps	E85381 600 V, 125°C	PD Caps SCD

Available in:	Americas	Europe	Asia Pacific
	■	■	■

Product Dimensions

PD Caps (Continued)

Size	Length		Inside Diameter		Recovered Wall Thickness** Total Wall After Heating
	Nominal Overall as Supplied	Minimum Open Barrel as Supplied*	Minimum Expanded as Supplied	Maximum Recovered After Heating	
1/8	22.0 [0.87]	12.7 [0.50]	3.2 [0.125]	0.58 [0.023]	1.22 ± 0.15 [0.048 ± 0.006]
3/16	25.4 [1.00]	15.2 [0.60]	4.8 [0.187]	1.52 [0.060]	1.57 ± 0.20 [0.062 ± 0.008]
1/4	28.4 [1.12]	15.2 [0.60]	6.4 [0.250]	2.03 [0.080]	1.98 ± 0.25 [0.078 ± 0.010]
3/8	31.8 [1.25]	18.3 [0.72]	9.5 [0.375]	2.29 [0.090]	2.08 ± 0.25 [0.082 ± 0.010]
1/2	38.1 [1.50]	21.6 [0.85]	12.7 [0.500]	2.29 [0.090]	2.54 ± 0.25 [0.100 ± 0.010]

\*See glossary for definition of "barrel."

\*\*Wall thickness will be less if recovery is restricted during shrinkage.

Ordering Information

Color	Standard                      Black (-0)
Size selection	Always order the largest size that will shrink snugly over the component to be covered. Special order sizes are available upon request.
Standard packaging	In pieces.
Ordering description	Specify product name, size and color (for example, PD Caps 1/4-0).