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# ES-CAPS

## END-SPLICE, ADHESIVE-LINED, FLAME-RETARDED CAP

### KEY PRODUCT ATTRIBUTES

- 4:1 Shrink Ratio.
- Highly flame retarded.
- Fluid and moisture-resistant.
- Available in Black and Clear.
- Operating Temperature up to 125°C (with fabric tape to help secure cap).

### PRODUCT BENEFITS

- Seals and protects the ingress of moisture to the wire joint and prevents corrosion of the conductor.
- Suitable for Automotive T2 environments.
- UL recognised for use in multiple commercial environments.

ES-Cap Size 0 is the newest addition to the existing Performance Materials ES-Cap portfolio.

The ES-Cap is designed to provide a mechanically tough solution within the operating environment. The ES-Cap, in black, is flame retarded, meaning the product will not propagate a flame, in an extremely high temperature burning situation.

The adhesive layer provides a tight seal, preventing any moisture from entering which could lead to any corrosive problems. Highlighting the importance of applying this product to the capable application. Additionally, the thick adhesive layer can perform highly in environments with extensive temperature ranges.

ES-Caps in general, are easy to install with the use of a hot air gun. However, a suitable alternative would be an infrared heating device.

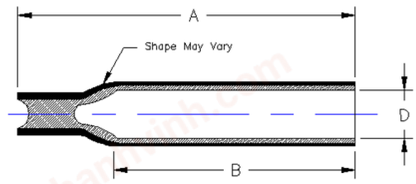
Furthermore, clear caps allow for see-through installation but are not flame retarded, whereas black caps are. This highlights the different capabilities of both cap options, expanding the potential applications and enabling various customers to be serviced depending on their requirements.

### TYPICAL MARKETS

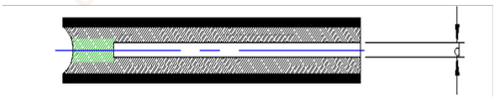
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a) Part as supplied




b) part fully recovered




Note: d may be completely blocked by adhesive.

## TEMPERATURES

- Minimum Shrink Temperature : 110°C
- Full Recovery Temperature : 135°C
- Operating Temperature : up to 125°C (with fabric tape to help secure cap)

## PRODUCT SELECTION INFORMATION - DIMENSIONS IN MM

| Size | A ±2.5 | B (Min) | D (Min) | d (Max) | Delivery Units (Pack Size) |
|---|---|---|---|---|---|
| 4:1 | | | | | |
| ES-CAP-NO.0-O9-0-40MM | 40 | 25.58 | 4.57 | 1.02 | MM (10,000pcs) |
| ES-CAP-NO.1-C1-0-30MM | 30 | 16.78 | 5.7 | 1.3 | MM (15,000pcs) |
| ES-CAP-NO.1-C1-0-35MM | 35 | 21.18 | 5.7 | 1.3 | MM (15,000pcs) |
| ES-CAP-NO.1-C1-0-40MM | 40 | 25.58 | 5.7 | 1.3 | MM (15,000pcs) |
| ES-CAP-NO.1-C1-0-45MM | 45 | 28.45 | 5.7 | 1.3 | MM (10,000pcs) |
| ES-CAP-NO.1-C1-0-50MM | 50 | 36.68 | 5.7 | 1.3 | MM (10,000pcs) |
| ES-CAP-NO.2-B9-0-35MM | 35 | 21.18 | 7.4 | 1.7 | MM (10,000pcs) |
| ES-CAP-NO.2-B9-0-40MM | 40 | 25.58 | 7.4 | 1.7 | MM (8,000pcs) |
| ES-CAP-NO.2-B9-0-50MM | 50 | 36.68 | 7.4 | 1.7 | MM (7,000pcs) |
| ES-CAP-NO.3-B8-0-35MM | 35 | 21.18 | 10.8 | 2.41 | MM (5,000pcs) |
| ES-CAP-NO.3-B8-0-40MM | 40 | 22.48 | 10.8 | 2.41 | MM (5,000pcs) |
| ES-CAP-NO.3-B8-0-50MM | 50 | 33.58 | 10.8 | 2.41 | MM (4,000pcs) |

Note: Only standard sizes shown. Other sizes in black and clear are available.

| | | |
|---|---|---|
| Colour | 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, colour, and length (for example, ES-CAP-NO.2-B9-0-35MM) | |

## SPECIFICATIONS AND APPROVALS

| Series | UL Approval | TE Specification |
|---|---|---|
| ES-Caps | UL224<br>E85381 (Sizes 0, 1, 2, 3, 4, 5)<br>600 V, 125°C. | 108-120037 |

Note: Specific information on ES-CAP sizes for UL approval can be found on the E85381 file.

Are you looking to seal out moisure, offer enhanced strain relief, or provide rigorous mechanical protection? Do you need a flame retardant product? Leverage TE's comprehensive portfolio of heat shrink tubing products in a wide range of applications.

Learn more at TE.com/heatshrinktubing

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