



# Cold Shrink EC-Series End Caps

## Data Sheet

### Product Description

3M Cold Shrink End Caps are close-ended, tubular rubber sleeves that are factory expanded and loaded onto a removable core. When positioned over the end of a cable, or other cylindrical object the core is removed to provide a reliable environmental seal. Four different end caps are available to accommodate a wide range of sizes.

### Features

- Simple and fast installation, no tools required.
- Accommodates size ranges from 0.46" - 3.32".
- Good abrasion resistance.
- Seals tight, retains resiliency for years.
- Water resistant.
- No mastic or tape required.
- Resists fungus
- Resists acids and alkalies.
- Resists ozone.
- Easily removed.



### Applications

Moisture sealing and physical protection for cables, pipes or other cylindrical objects.

### Maintenance

3M Cold Shrink EC-Series End Caps are stable under normal storage conditions. The end caps are not impaired by freezing or overheating due to ambient temperatures encountered during shipping or storage. Normal storage and stock rotation are recommended.

## Properties

Test Methods	Typical Value
Color	Black
300% Modulus (ASTM D 412-75)	480 psi
Ultimate Tensile (ASTM D 412-75) Original	1400 psi
Ultimate Elongation (ASTM D 412-75) Original	750%
Die C tear (ASTM D 624C-73) Original	150 pli
Fungus Resistance (ASTM G-21)	No Growth
28 Days exposure	
Moisture Absorption 7 days @90C in H <sub>2</sub> O	1.8% wt. gain

## Selection Chart

Product #	Use Range	
	inches	(mm)
EC-1	0.46 - 0.82	(11,6 - 20,9)
EC-2	0.63 - 1.18	(15,9 - 30,1)
EC-3	1.02 - 1.94	(26,0 - 49,2)
EC-4	1.79 - 3.32	(45,5 - 84,3)

3M is a trademark of 3M

### IMPORTANT NOTICE

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

**Warranty; Limited Remedy; Limited Liability.** This product will be free from defects in material and manufacture as of the date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**



### Electrical Products Division

6801 River Place Blvd.  
Austin, TX 78726-9000  
<http://www.3M.com/elpd>

Litho in USA.  
© 3M IPC 2000 78-8125-9558-1-A