



PD Caps

Semirigid, encapsulant-lined, polyolefin caps



Applications

PD Caps offer an improved, inexpensive way to encapsulate crimped electrical connections, including those on motor coils. Encapsulant 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 equipment.

Operating temperature range

-55°C to 110°C


Features and benefits

- 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).

Installation

Minimum shrink temperature: 125°C
 Minimum full recovery temperature: 135°C

Available in:	Americas	Europe	Asia Pacific
	■	■	■

Specifications/approvals		
Series		Raychem
PD Caps	E85381 600 V, 125°C	PD Caps SCD

Fax-on-demand

US only (800) 260-9099

Outside US (650) 257-2301

Fax ID

2110

2111

Description

Data sheet

SCD

Visit our website at www.tycoelectronics.com**Product dimensions (mm/in)**

Size	Length		Inside diameter		Recovered wall thickness**
	Nominal overall as supplied	Minimum open barrel as supplied*	Minimum expanded as supplied	Maximum recovered after heating	Total wall 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±0.20 (0.078±0.008)
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).	

Users should independently evaluate the suitability of the product for their application.
Before ordering check with factory for most current data.

Tubing 3-47

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