

FL2500

Fully Flame-Retardant, Adhesive-Lined, Polyolefin Heat-Shrinkable Tubing

Product Facts

- 4:1 shrink ratio allows a few sizes to cover a wide range of wire terminations and components
- Flame-retardant tubing jacket and adhesive provide full flame-retardancy
- Fully flame-retardant and mechanically tough, the tubing provides strain relief and abrasion protection of wire splices, terminals and other components
- Thick high-performance adhesive lining offers permanent sealing of splices, fusible links, terminals and in-line components
- RoHS compliant



Applications

Tough flame-retardant polyolefin tubing lined with a flame-retardant adhesive provides the optimum solution for applications where full flame-retardancy is preferred or specified.

Rated to 135°C [275°F] for 3000 hours, FL2500 is suitable for use in the automotive harness market and other harsh environments. As the tubing shrinks, the adhesive lining melts and flows to fill all voids and create a complete seal against moisture, oils, chemicals and other fluids.

Installation

Minimum shrink temperature: 110°C [230°F]
 Minimum full recovery temperature: 135°C [275°F]

Operating Temperature Range

-40°C to 135°C
 [-40°F to 275°F]

Specifications/Approvals

Series	Raychem
FL2500	FL2500 SCD

Available in:	Americas	Europe	Asia Pacific
	■	■	■

FL2500 (Continued)

Product Dimensions

Part Number	Inside Diameter (Including Core)		Recovered Wall Thickness*	
	Minimum Expanded as Supplied	Maximum Recovered After Heating	Total Wall After Heating	Minimum Adhesive Wall After Heating
FL2500-No. 1	7.62 [0.300]	1.65 [0.065]	1.52 ± 0.3 [0.060 ± 0.012]	0.71 [0.028]
FL2500-No. 2	9.02 [0.355]	2.29 [0.090]	1.52 ± 0.3 [0.060 ± 0.012]	0.71 [0.028]
FL2500-No. 3	11.56 [0.455]	2.54 [0.100]	2.29 ± 0.3 [0.090 ± 0.012]	1.32 [0.052]
FL2500-No. 4	17.79 [0.700]	4.45 [0.175]	2.54 ± 0.3 [0.100 ± 0.012]	1.35 [0.053]

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

Ordering Information

Color	Black (-0) with a white adhesive liner.
Size selection	Always order the largest size that will shrink snugly over the component to be covered.
Standard packaging	Cut pieces.
Marking	Tubing will be marked with its numbered size (such as FL-1, FL-2, FL-3, or FL-4).
Ordering description	Specify product name, size, color, and cut length (for example, FL2500-NO.2-I9-0-50MM).

Mouser Electronics

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[FL2500-NO.0-17-0-40MM](#)