

## 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



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Heat-shrinkable Tubing

#### 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). |