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[United States](#) > [Energy](#) > [Electrical OEM Materials](#) > [Products](#) > [Electrical OEM Products Catalog](#) > [Heat Shrink](#) > [Single \(Thin\) Wall Tubing](#) > 3M™ Heat Shrink Thin-Wall Tubing FP-301-3/32-Black-100', 100 ft Length per spool, 300 ft per case

3M™ Heat Shrink Thin-Wall Tubing FP-301-3/32-Black-100', 100 ft Length per spool, 300 ft per case

3M ID 80610752141 UPC# 00051135355565 UPC# 00076308624057 Part Number FP301-3/32-100'-Black-Spool

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3M™ Heat Shrink Tubing FP-301 offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. This tubing comes in 100 ft spool and a quantity of 300 ft per case.

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Overview

Documents

3M™ FP-301 is rated for 275(deg)F(135(deg)C) continuous operation. FP-301 tubing is typically used as a shrink-fit electrical insulation over cable splices and terminations. It is also used for lightweight wire harness covering, wire marking, wire bundling, component packaging and fire resistant covering. FP-301 clear tubing provides excellent visibility for component packing. All FP-301 tubing is split resistant, mechanically tough, easily marked and resists cold flow. FP-301 is available in black, white, red, blue, yellow and clear in the standard lengths of 6-inch (15,2 cm) cut pieces, 48-inch (1,21 m) and small (8.5-inch core diameter) spools of 50 (15,24 m) and 100 (30,48 m) feet. Four-foot lengths of green tubing are available in sizes 1/16 inch to 1/2 inch. The Assorted Color Kit has a total of 133 pieces and contains seven colors: black, red, white, yellow, blue, green and clear. The Black Kit contains 102 pieces, all 6" (512,4 mm) lengths (see chart below.) Additional sizes, colors and put-ups are available -please contact your 3M Electrical Products Sales Representative. Application Specifications: UL Recognized and CSA Certified at 600 volts at 257(deg)F(125(deg)C); UL File No. E-39100 and CSA No. 38227. MIL-I-23053/5, Class 1,2. AMS 3636 (Type I) and AMS 3637 (Type II). To Order: Reference specific product size, color and description on the following pages. Example: FP-301-1/4, white 6" (15,2 cm) pieces.

Specifications

Agency Approvals	CSA, UL Recognized
Color	Black
Elongation	400 %
Expanded Inner Diameter	3 Inch
Family	3M™ Heat Shrink Thin-Wall Tubing FP-301
Flame Retardant	Yes
Flammability Rating	UL 224 All Tubing Flame Test
Length	100 Linear Foot
Mil Spec	AMS-DTL-23053/5, Class 1
Minimum Expanded Tubing I. D.	3 Inch
Non-Corrosive	Yes
Operating	-55 to 135 Degrees Celsius

Temperature (Celsius)	
Recovered Inner Diameter	0.05 Inch
RoHS 2011/65/EU Compliant	Yes
RoHS EU Comments	RoHS 2011/65/EU compliant without exemption *Important RoHS information
Shrink Ratio	2:1
Tensile Strength	2400 Pound-Force Per Square Inch
Trademark	3M
Tubing Type	Single (Thin) Wall
UL File Number	E-39100

Manufacturing Origin: USA

The designation that a product is Manufactured in the USA means the product undergoes substantial transformation in one of our U.S. Manufacturing plants. Some products contain imported components.

Note: 3M products offered on a government contract that require country of origin representation must be certified by 3M Trade Compliance. Contact customer service at 800-245-3573 to request a certificate.

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