



Electrical OEM Materials

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3M™ Heat Shrink Thin-Wall Tubing FP301-3/4-48"-Black-12 Pcs, 48 in Length sticks, 12 pieces/case

3M ID 80611472590 UPC# 00051128595985 Part Number FP301-3/4-48"-Black-12 Pcs

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3M™ FP-301 Heat Shrink Tubing is a general-purpose, thin-wall tubing that provides a balance of electrical, physical and chemical properties, making it perfect for industrial and military applications. This tubing has a 2:1 shrink ratio and provides flame-retardant insulation for 600V-rated applications. It has a flexible polyolefin construction that offers moisture-seal protection.

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- Balances electrical, physical and chemical properties for various industrial and military applications
- Offers shrink-fit protection and strain relief of wires, solder joints, terminals and connections
- Suitable for lightweight wire-harness covering, fire-resistant covering, wire marking, wire bundling and component packaging
- Expanded I.D. of 3/4 in
- 4-ft stick
- Made of black flexible polyolefin
- Withstands temperatures of -67 to 275 degrees F (-55 to 135 degrees C)
- Flame-retardant tubing is rated for 600V applications
- UL Listed, SAE-AMS-DTL-23053/5, Class 1, 2, AMS-3636, AMS-3637, ABS, CSA Certified and RoHS 2011/65/EU Compliant

Overview | **Documents**

3M™ Heat Shrink Tubing FP-301 is color-coded for quick and easy identification of the wire. This split-resistant, flame-retardant tubing is used as shrink-fit, electrical insulation over cable splices or terminations. The high-expansion-ratio tubing is mechanically tough, easily markable and resists cold flow. It is perfect for lightweight wire-harness covering, fire-resistant covering, wire marking, wire bundling and component packaging. It withstands temperatures of -67 to 275 degrees F (-55 to 135 degrees C). UL Listed, SAE-AMS-DTL-23053/5, Class 1, 2, AMS-3636, AMS-3637, CSA Certified and RoHS 2011/65/EU Compliant.

Specifications

Agency Approvals	CSA, UL Recognized
Brand	3M
Color	Black
Expanded Inner Diameter	0.75 Inch
Expanded Inner Diameter (metric)	19.05 mm
Flame Retardant	Yes
Length	48 Inch
Material	Polyolefin
Minimum Expanded Tubing I. D.	3 Inch
Operating Temperature (Celsius)	-55 to 135 Degrees Celsius
Operating Temperature (Fahrenheit)	-67 to 275 Degree Fahrenheit
Product Form	48 in (1.22 m) sticks
Recovered Inner Diameter	0.375 Inch
Recovered Inner Diameter (metric)	9.52 mm
RoHS 2011/65/EU Compliant	Yes

RoHS EU Comments	RoHS 2011/65/EU compliant without exemption *Important RoHS information
Shrink Ratio	2:1
Size	0.75 Inch
Size (metric)	19.05 mm
Tubing Type	Single (Thin) Wall
UL Bug Temperature (Celsius)	125 Degrees Celsius
UL Bug Temperature (Fahrenheit)	257 Degrees Fahrenheit
UL Bug Voltage	600 Volt

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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