

# Normal Wall Flame Retardant Heat Shrink Tubing

pro-POWER



## Features:

- Flexible, general purpose, polyolefin tubing
- 2:1 shrink ratio
- Super abrasion and solvent resistance
- Excellent physical, chemical and electrical properties
- Wide range of sizes and colours
- Operating temperature range : -55°C to +125°C
- Minimum shrink temperature : 70°C

## Specifications:

### Physical:

|                              |           |
|------------------------------|-----------|
| Tensile Strength             | : 14.8Mpa |
| Elongation                   | : 460%    |
| Tensile Strength After Aging | : 14.5Mpa |
| Elongation After Aging       | : 480%    |

### Electrical:

|                     |                                |
|---------------------|--------------------------------|
| Dielectric Strength | : 17kV / mm                    |
| Volume Resistance   | : $1 \times 10^{15} \Omega$ cm |

### Chemical:

Corrosion UL 224 (158C × 168 hours) Pass;  
Copper Stability UL 224 (158C × 168 hours) Pass

## Specification Table:

| Size (Inch) | Inside Diameter |                        | Recovered Wall Thickness |
|-------------|-----------------|------------------------|--------------------------|
|             | As Supplied     | Maximum After Recovery |                          |
| 3/64        | 1 ±0.2          | 0.5                    | 0.22 ±0.1                |
| 1/16        | 1.5 ±0.3        | 0.65                   | 0.28 ±0.1                |
| 3/32        | 2.5 ±0.3        | 1                      | 0.35 ±0.1                |
| 1/8         | 3.5 ±0.4        | 1.5                    | 0.4 ±0.1                 |
| 3/16        | 5 ±0.4          | 2.3                    | 0.5 ±0.1                 |
| 1/4         | 6.5 ±0.4        | 3                      | 0.55 ±0.1                |
| 3/8         | 9.5 ±0.5        | 4.5                    | 0.6 ±0.1                 |
| 1/2         | 12.5 ±0.5       | 6                      |                          |
| 3/4         | 19 ±0.7         | 9                      | 0.8 ±0.15                |
| 1           | 26 ±0.7         | 12.5                   | 0.9 ±0.15                |
| 1-1/4       | 29 ±0.7         | 14                     |                          |
| 1-1/2       | 41.5 ±0.7       | 20                     | 1 ±0.15                  |
| 2           | 51 ±0.7         | 25                     |                          |
| 3           | ≥80             | 41                     | 1.46 ±0.2                |
| 4           | ≥100            | 51                     |                          |

# Normal Wall Flame Retardant Heat Shrink Tubing

pro-POWER

Part Number Table

| Description                               | Part Number | Description                                | Part Number |
|-------------------------------------------|-------------|--------------------------------------------|-------------|
| Heat Shrink, 1.6mm, Black, 100m           | 13633       | Heat Shrink Tubing 2:1 Clear 6.4mm, 5m     | 15038       |
| Heat Shrink, 2.4mm, Black, 100m           | 13634       | Heat Shrink Tubing 2:1 Clear 9.5mm, 5m     | 15039       |
| Heat Shrink, 3.2mm, Black, 100m           | 13635       | Heat Shrink Tubing 2:1 Clear 12.7mm, 5m    | 15040       |
| Heat Shrink, 4.8mm, Black, 100m           | 13636       | Heat Shrink Tubing 2:1 Clear 19mm, 5m      | 15041       |
| Heat Shrink, 6.5mm, Black, 100m           | 13637       | Heat Shrink Tubing 2:1 Clear 25.4mm, 5m    | 15042       |
| Heat Shrink Tubing 2:1 Black 9.5mm, 100m  | 13638       | Heat Shrink Tubing 2:1 Clear 38.1mm, 5m    | 15043       |
| Heat Shrink Tubing 2:1 Black 12.7mm, 100m | 13639       | Heat Shrink Tubing 2:1 Clear 50.8mm, 5m    | 15044       |
| Heat Shrink Tubing 2:1 Black 19mm, 100m   | 13640       | Heat Shrink Tubing 2:1 Red 1.6mm, 100m     | 13666       |
| Heat Shrink Tubing 2:1 Black 25.4mm, 50m  | 13641       | Heat Shrink Tubing 2:1 Red 2.4mm, 100m     | 13667       |
| Heat Shrink Tubing 2:1 Black 38.1mm, 50m  | 13642       | Heat Shrink Tubing 2:1 Red 3.2mm, 100m     | 13668       |
| Heat Shrink Tubing 2:1 Black 50.8mm, 25m  | 13643       | Heat Shrink Tubing 2:1 Red 4.8mm, 100m     | 13669       |
| Heat Shrink, 1.6mm, Black, 5m             | 13644       | Heat Shrink Tubing 2:1 Red 6.4mm, 100m     | 13670       |
| Heat Shrink, 2.4mm, Black, 5m             | 13645       | Heat Shrink Tubing 2:1 Red 9.5mm, 100m     | 13671       |
| Heat Shrink, 3.2mm, Black, 5m             | 13646       | Heat Shrink Tubing 2:1 Red 12.7mm, 100m    | 13672       |
| Heat Shrink, 4.8mm, Black, 5m             | 13647       | Heat Shrink Tubing 2:1 Red 19mm, 100m      | 13673       |
| Heat Shrink, 6.4mm, Black, 5m             | 13648       | Heat Shrink Tubing 2:1 Red 25.4mm, 50m     | 13674       |
| Heat Shrink Tubing 2:1 Black 9.5mm, 5m    | 13649       | Heat Shrink Tubing 2:1 Red 38.1mm, 50m     | 13675       |
| Heat Shrink Tubing 2:1 Black 12.7mm, 5m   | 13650       | Heat Shrink Tubing 2:1 Red 50.8mm, 25m     | 13676       |
| Heat Shrink Tubing 2:1 Black 19mm, 5m     | 13651       | Heat Shrink Tubing 2:1 Red 1.6mm, 5m       | 15045       |
| Heat Shrink Tubing 2:1 Black 25.4mm, 5m   | 13652       | Heat Shrink Tubing 2:1 Red 2.4mm, 5m       | 15046       |
| Heat Shrink Tubing 2:1 Black 38.1mm, 5m   | 13653       | Heat Shrink Tubing 2:1 Red 3.2mm, 5m       | 15047       |
| Heat Shrink Tubing 2:1 Black 50.8mm, 5m   | 13654       | Heat Shrink Tubing 2:1 Red 4.8mm, 5m       | 15048       |
| Heat Shrink Tubing 2:1 Clear 1.6mm, 100m  | 13655       | Heat Shrink Tubing 2:1 Red 6.4mm, 5m       | 15049       |
| Heat Shrink Tubing 2:1 Clear 2.4mm, 100m  | 13656       | Heat Shrink Tubing 2:1 Red 9.5mm, 5m       | 15050       |
| Heat Shrink Tubing 2:1 Clear 3.2mm, 100m  | 13657       | Heat Shrink Tubing 2:1 Red 12.7mm, 5m      | 15051       |
| Heat Shrink Tubing 2:1 Clear 4.8mm, 100m  | 13658       | Heat Shrink Tubing 2:1 Red 19mm, 5m        | 15052       |
| Heat Shrink Tubing 2:1 Clear 6.4mm, 100m  | 13659       | Heat Shrink Tubing 2:1 Red 25.4mm, 5m      | 15053       |
| Heat Shrink Tubing 2:1 Clear 9.5mm, 100m  | 13660       | Heat Shrink Tubing 2:1 Red 38.1mm, 5m      | 15054       |
| Heat Shrink Tubing 2:1 Clear 12.7mm, 100m | 13661       | Heat Shrink Tubing 2:1 Red 50.8mm, 5m      | 15055       |
| Heat Shrink Tubing 2:1 Clear 19mm, 100m   | 13662       | Heat Shrink Tubing 2:1 Yellow 2.4mm, 100m  | 13678       |
| Heat Shrink Tubing 2:1 Clear 25.4mm, 50m  | 13663       | Heat Shrink Tubing 2:1 Yellow 3.2mm, 100m  | 13679       |
| Heat Shrink Tubing 2:1 Clear 38.1mm, 50m  | 13664       | Heat Shrink Tubing 2:1 Yellow 4.8mm, 100m  | 13680       |
| Heat Shrink Tubing 2:1 Clear 50.8mm, 25m  | 13665       | Heat Shrink Tubing 2:1 Yellow 6.4mm, 100m  | 13681       |
| Heat Shrink Tubing 2:1 Clear 1.6mm, 5m    | 15034       | Heat Shrink Tubing 2:1 Yellow 9.5mm, 100m  | 13682       |
| Heat Shrink Tubing 2:1 Clear 2.4mm, 5m    | 15035       | Heat Shrink Tubing 2:1 Yellow 12.7mm, 100m | 13683       |
| Heat Shrink Tubing 2:1 Clear 3.2mm, 5m    | 15036       | Heat Shrink Tubing 2:1 Yellow 19mm, 100m   | 13684       |
| Heat Shrink Tubing 2:1 Clear 4.8mm, 5m    | 15037       | Heat Shrink Tubing 2:1 Yellow 25.4mm, 50m  | 13685       |

# Normal Wall Flame Retardant Heat Shrink Tubing

pro-POWER

| Description                               | Part Number | Description                                     | Part Number |
|-------------------------------------------|-------------|-------------------------------------------------|-------------|
| Heat Shrink Tubing 2:1 Yellow 38.1mm 50m  | 13686       | Heat Shrink Tubing 2:1 Blue 3.20mm 100m         | 13701       |
| Heat Shrink Tubing 2:1 Yellow 50.8mm 25m  | 13687       | Heat Shrink Tubing 2:1 Blue 4.80mm 100m         | 13702       |
| Heat Shrink Tubing 2:1 Yellow 1.60mm 5m   | 15056       | Heat Shrink Tubing 2:1 Blue 6.40mm 100m         | 13703       |
| Heat Shrink Tubing 2:1 Yellow 2.40mm 5m   | 15057       | Heat Shrink Tubing 2:1 Blue 9.50mm 100m         | 13704       |
| Heat Shrink Tubing 2:1 Yellow 3.20mm 5m   | 15058       | Heat Shrink Tubing 2:1 Blue 12.7mm 100m         | 13705       |
| Heat Shrink Tubing 2:1 Yellow 4.80mm 5m   | 15059       | Heat Shrink Tubing 2:1 Blue 19mm 100m           | 13706       |
| Heat Shrink Tubing 2:1 Yellow 6.40mm 5m   | 15060       | Heat Shrink Tubing 2:1 Blue 25.4mm 50m          | 13707       |
| Heat Shrink Tubing 2:1 Yellow 9.50mm 5m   | 15061       | Heat Shrink Tubing 2:1 Blue 38.1mm 50m          | 13708       |
| Heat Shrink Tubing 2:1 Yellow 12.70mm 5m  | 15062       | Heat Shrink Tubing 2:1 Blue 50.8mm 25m          | 13709       |
| Heat Shrink Tubing 2:1 Yellow 19.00mm 5m  | 15063       | Heat Shrink Tubing 2:1 Blue 1.60mm 5m           | 15078       |
| Heat Shrink Tubing 2:1 Yellow 25.40mm 5m  | 15064       | Heat Shrink Tubing 2:1 Blue 2.40mm 5m           | 15079       |
| Heat Shrink Tubing 2:1 Yellow 38.10mm 5m  | 15065       | Heat Shrink Tubing 2:1 Blue 3.20mm 5m           | 15080       |
| Heat Shrink Tubing 2:1 Yellow 50.80mm 5m  | 15066       | Heat Shrink Tubing 2:1 Blue 4.80mm 5m           | 15081       |
| Heat Shrink Tubing 2:1 White 1.60mm 100m  | 13688       | Heat Shrink Tubing 2:1 Blue 6.40mm 5m           | 15082       |
| Heat Shrink Tubing 2:1 White 2.40mm 100m  | 13689       | Heat Shrink Tubing 2:1 Blue 9.50mm 5m           | 15083       |
| Heat Shrink Tubing 2:1 White 3.20mm 100m  | 13690       | Heat Shrink Tubing 2:1 Blue 12.70mm 5m          | 15084       |
| Heat Shrink Tubing 2:1 White 4.80mm 100m  | 13691       | Heat Shrink Tubing 2:1 Blue 19mm 5m             | 15085       |
| Heat Shrink Tubing 2:1 White 6.40mm 100m  | 13692       | Heat Shrink Tubing 2:1 Blue 25.40mm 5m          | 15086       |
| Heat Shrink Tubing 2:1 White 9.50mm 100m  | 13693       | Heat Shrink Tubing 2:1 Blue 38.10mm 5m          | 15087       |
| Heat Shrink Tubing 2:1 White 12.70mm 100m | 13694       | Heat Shrink Tubing 2:1 Blue 50.80mm 5m          | 15088       |
| Heat Shrink Tubing 2:1 White 19.00mm 100m | 13695       | Heat Shrink, 2:1, 1.6mm, Green/Yellow 100m      | 13710       |
| Heat Shrink Tubing 2:1 White 25.40mm 50m  | 13696       | Heat Shrink, 2:1, 2.4mm, Green/Yellow 100m      | 13711       |
| Heat Shrink Tubing 2:1 White 38.10mm 50m  | 13697       | Heat Shrink, 2:1, 3.2mm, Green/Yellow 100m      | 13712       |
| Heat Shrink Tubing 2:1 White 50.80mm 25m  | 13698       | Heat Shrink Tubing 2:1 Green/Yellow 4.8mm 100m  | 13713       |
| Heat Shrink Tubing 2:1 White 1.60mm 5m    | 15067       | Heat Shrink Tubing 2:1 Green/Yellow 6.4mm 100m  | 13714       |
| Heat Shrink Tubing 2:1 White 2.40mm 5m    | 15068       | Heat Shrink Tubing 2:1 Green/Yellow 9.5mm 100m  | 13715       |
| Heat Shrink Tubing 2:1 White 3.20mm 5m    | 15069       | Heat Shrink Tubing 2:1 Green/Yellow 12.7mm 100m | 13716       |
| Heat Shrink Tubing 2:1 White 4.80mm 5m    | 15070       | Heat Shrink Tubing 2:1 Green/Yellow 19mm 100m   | 13717       |
| Heat Shrink Tubing 2:1 White 6.40mm 5m    | 15071       | Heat Shrink Tubing 2:1 Green/Yellow 25.4mm 50m  | 13718       |
| Heat Shrink Tubing 2:1 White 9.50mm 5m    | 15072       | Heat Shrink Tubing 2:1 Green/Yellow 38.1mm 50m  | 13719       |
| Heat Shrink Tubing 2:1 White 12.70mm 5m   | 15073       | Heat Shrink Tubing 2:1 Green/Yellow 50.8mm 25m  | 13720       |
| Heat Shrink Tubing, 2:1, 19mm, White, 5m  | 15074       | Heat Shrink Tubing 2:1 Green/Yellow 1.60mm 5m   | 15089       |
| Heat Shrink Tubing 2:1 White 25.40mm 5m   | 15075       | Heat Shrink Tubing 2:1 Green/Yellow 2.40mm 5m   | 15090       |
| Heat Shrink Tubing 2:1 White 38.10mm 5m   | 15076       | Heat Shrink Tubing 2:1 Green/Yellow 3.20mm 5m   | 15091       |
| Heat Shrink Tubing 2:1 White 50.80mm 5m   | 15077       | Heat Shrink Tubing 2:1 Green/Yellow 4.80mm 5m   | 15092       |
| Heat Shrink Tubing 2:1 Blue 1.60mm 100m   | 13699       | Heat Shrink Tubing 2:1 Green/Yellow 6.40mm 5m   | 15093       |
| Heat Shrink Tubing 2:1 Blue 2.40mm 100m   | 13700       | Heat Shrink Tubing 2:1 Green/Yellow 9.50mm 5m   | 15094       |

# Normal Wall Flame Retardant Heat Shrink Tubing

pro-POWER

| Description                                    | Part Number |
|------------------------------------------------|-------------|
| Heat Shrink Tubing 2:1 Green/Yellow 12.7mm, 5m | 15095       |
| Heat Shrink Tubing 2:1 Green/Yellow 19mm, 5m   | 15096       |
| Heat Shrink Tubing 2:1 Green/Yellow 25.4mm, 5m | 15097       |
| Heat Shrink Tubing 2:1 Green/Yellow 38.1mm, 5m | 15098       |
| Heat Shrink Tubing 2:1 Green/Yellow 50.8mm, 5m | 15099       |
| Heat Shrink Tubing 2:1 Brown 1.6mm, 100m       | 13721       |
| Heat Shrink Tubing 2:1 Brown 2.4mm, 100m       | 13722       |
| Heat Shrink Tubing 2:1 Brown 3.2mm, 100m       | 13723       |
| Heat Shrink Tubing 2:1 Brown 4.8mm, 100m       | 13724       |
| Heat Shrink Tubing 2:1 Brown 6.4mm, 100m       | 13725       |
| Heat Shrink Tubing 2:1 Brown 9.5mm, 100m       | 13726       |
| Heat Shrink Tubing 2:1 Brown 12.7mm, 100m      | 13727       |
| Heat Shrink Tubing 2:1 Brown 19mm, 100m        | 13728       |
| Heat Shrink Tubing 2:1 Brown 25.4mm, 50m       | 13729       |
| Heat Shrink Tubing 2:1 Brown 38.1mm, 50m       | 13730       |
| Heat Shrink Tubing 2:1 Brown 50.8mm, 25m       | 13731       |
| Heat Shrink Tubing 2:1 Brown 1.6mm, 5m         | 15100       |
| Heat Shrink Tubing 2:1 Brown 2.4mm, 5m         | 15101       |
| Heat Shrink Tubing 2:1 Brown 3.2mm, 5m         | 15102       |
| Heat Shrink Tubing 2:1 Brown 4.8mm, 5m         | 15103       |
| Heat Shrink Tubing 2:1 Brown 6.4mm, 5m         | 15104       |
| Heat Shrink Tubing 2:1 Brown 9.5mm, 5m         | 15105       |
| Heat Shrink Tubing 2:1 Brown 12.7mm, 5m        | 15106       |
| Heat Shrink Tubing 2:1 Brown 19mm, 5m          | 15107       |
| Heat Shrink Tubing 2:1 Brown 25.4mm, 5m        | 15108       |
| Heat Shrink Tubing 2:1 Brown 38.1mm, 5m        | 15109       |
| Heat Shrink Tubing 2:1 Brown 50.8mm, 5m        | 15110       |

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. pro-POWER is the registered trademark of the Group. © Premier Farnell plc 2012.

[www.element14.com](http://www.element14.com)  
[www.farnell.com](http://www.farnell.com)  
[www.newark.com](http://www.newark.com)  
[www.cpc.co.uk](http://www.cpc.co.uk)

pro-POWER