

## QFR-PVC-300/600 NOT HEAT SHRINKABLE PVC TUBING

This tubing is intended for use as part of the internal wiring of electrical devices and appliances. The tubing may be intended for insulating one or more uninsulated or partially insulated conductors, busbars, component leads, terminal lugs or assemblies of electronic components.

### Description:

Operating temperature -40°C~105 °C  
Flame resistance VW-1  
RoHS Compliant  
Reference color Black, White and Clear.



### Specification:

| Properties | Items                        | Specification Requirement   |
|------------|------------------------------|-----------------------------|
| Physical   | Tensile Strength             | 17.2Mpa                     |
|            | Elongation                   | >300 %                      |
|            | Longitudinal Shrinking Ratio | <±10 %                      |
| Electrical | Dielectric Strength          | ≥42.6 kv/mm                 |
|            | Volume Resistivity           | ≥21.5*10 <sup>12</sup> Ω.cm |
| Chemical   | Fluid Resistance             | Good to Excellent           |
|            | Copper Corrosion             | No corrosion                |

| Gauge (AWG) | Nom. Inside Diam. |       | Nom. Wall Thickness |           | Min. Package |
|-------------|-------------------|-------|---------------------|-----------|--------------|
|             | Inch              | mm    | Inch                | mm        | Feet/Roll    |
| 0           | 0.3228            | 8.20  | 0.0177-0.0217       | 0.45-0.55 | 500          |
| 1           | 0.2913            | 7.40  | 0.0177-0.0217       | 0.45-0.55 | 500          |
| 2           | 0.2638            | 6.70  | 0.0157-0.0197       | 0.40-0.50 | 500          |
| 3           | 0.2323            | 5.90  | 0.0157-0.0197       | 0.40-0.50 | 1000         |
| 4           | 0.2087            | 5.30  | 0.0157-0.0197       | 0.40-0.50 | 1000         |
| 5           | 0.1890            | 4.80  | 0.0157-0.0197       | 0.40-0.50 | 1000         |
| 6           | 0.1654            | 4.20  | 0.0157-0.0197       | 0.40-0.50 | 1000         |
| 7           | 0.1417            | 3.60  | 0.0157-0.0197       | 0.40-0.50 | 1000         |
| 8           | 0.1299            | 3.30  | 0.0138-0.0177       | 0.35-0.45 | 1000         |
| 9           | 0.1181            | 3.00  | 0.0138-0.0177       | 0.35-0.45 | 1000         |
| 10          | 0.1063            | 2.70  | 0.0138-0.0177       | 0.35-0.45 | 1000         |
| 11          | 0.0945            | 2.40  | 0.0138-0.0177       | 0.35-0.45 | 1000         |
| 12          | 0.0827            | 2.10  | 0.0118-0.0157       | 0.30-0.40 | 1000         |
| 13          | 0.0748            | 1.90  | 0.0118-0.0157       | 0.30-0.40 | 1000         |
| 14          | 0.0630            | 1.60  | 0.0118-0.0157       | 0.30-0.40 | 1000         |
| 15          | 0.0591            | 1.50  | 0.0118-0.0157       | 0.30-0.40 | 1000         |
| 16          | 0.0512            | 1.30  | 0.0118-0.0157       | 0.30-0.40 | 1000         |
| 17          | 0.0472            | 1.20  | 0.0118-0.0157       | 0.30-0.40 | 1000         |
| 18          | 0.0421            | 1.07  | 0.0118-0.0157       | 0.30-0.40 | 1000         |
| 3/8*        | 0.3740            | 9.50  | 0.0217-0.0256       | 0.55-0.65 | 250          |
| 7/16*       | 0.4370            | 11.10 | 0.0217-0.0256       | 0.55-0.65 | 250          |
| 1/2*        | 0.5000            | 12.70 | 0.0217-0.0256       | 0.55-0.65 | 250          |
| 9/16*       | 0.5630            | 14.30 | 0.0236-0.0295       | 0.60-0.75 | 250          |
| 5/8*        | 0.6260            | 15.90 | 0.0236-0.0295       | 0.60-0.75 | 250          |
| 3/4*        | 0.7480            | 19.00 | 0.0276-0.0335       | 0.70-0.85 | 50           |
| 7/8*        | 0.8740            | 22.20 | 0.0276-0.0335       | 0.70-0.85 | 25           |
| 1*          | 1.0000            | 25.4  | 0.0276-0.0335       | 0.70-0.85 | 20           |

“\*” Rated voltage: 600 V

### Order reference:

Striping: Longitudinal and Parallel Stripes Available Per Request

Delivery: All Stocked Items Available for Immediate Shipment, 8 Week Lead Time for Non-stocked Items