

## THIN WALL POLYOLEFIN TUBING

# G5-YG3X

## High shrink ratio Yellow & Green striped polyolefin tubing

高倍率接地標示用黃綠熱收縮管

### 應用 Applications

黃綠相間的條紋狀套管，用於標識地線。  
被廣泛地應用於電線標記，顏色解碼，電子絕緣等領域。

Unique yellow-green striped color used for identifying earth cables, which applying to wire marking, color coding, electrical insulation of wire harness assemblies. Comply with international electrical ground designation.

### 特性 Characteristics

- 收縮率: 3:1
- 雙種顏色用於標識
- 顏色恒久，方便的用於標記
- 符合 ROHS
- Shrinkage Ratio: 3:1
- Dual colors for instant identification.  
Permanent tubing colors are superior to conventional ink marking.
- Meet RoHS

### 操作溫度範圍 Operating temperature range

- 操作溫度：-55°C~135°C
- 最低收縮溫度：70°C
- 最低完全收縮溫度：100°C
- Operating temperature: -55°C~135°C
- Minimum shrink temperature: 70°C
- Minimum fully recovery temperature :100°C

### Approvals / Specifications 認證 / 規範

 **UL224** File no. E255532, 125°C VW-1 600V

### Product Dimensions 產品規格

| Part Number<br>產品型號 | Nominal Size (尺寸) |           | As supplied 收縮前 (mm) |         | After recovered 收縮後 (mm) |               | Standard Length (M)<br>標準長度 (米) |
|---------------------|-------------------|-----------|----------------------|---------|--------------------------|---------------|---------------------------------|
|                     | mm (米釐)           | inch (英吋) | I.D. (min) 內徑        | W.T. 壁厚 | I.D. (max.) 內徑           | W.T. (min) 壁厚 |                                 |
| G5-YG3X0030         | 3                 | 1/8       | 3                    | 0.18    | 1.0                      | 0.55          | 200                             |
| G5-YG3X0060         | 6                 | 1/4       | 6                    | 0.22    | 2.0                      | 0.65          | 100                             |
| G5-YG3X0090         | 9                 | 3/8       | 9                    | 0.25    | 3.0                      | 0.75          | 100                             |
| G5-YG3X0120         | 12                | 1/2       | 12                   | 0.25    | 4.0                      | 0.80          | 100                             |
| G5-YG3X0180         | 18                | 3/4       | 18                   | 0.35    | 6.0                      | 0.90          | 100                             |
| G5-YG3X0250         | 25                | 1         | 25                   | 0.45    | 8.0                      | 1.20          | 50                              |

### Technical Data

| Property                                    | Specification Requirement        | Test Method | Typical Value            |
|---------------------------------------------|----------------------------------|-------------|--------------------------|
| Concentricity                               | 70% min.                         | ASTM D 2671 | ≥70%                     |
| Tensile strength                            | 10.4MPa min.                     | ASTM D 638  | ≥14.0MPa                 |
| Elongation                                  | 200% min.                        | ASTM D 638  | ≥400%                    |
| Heat shock 250°C, 4hrs                      | No cracking, dripping or flowing | ASTM D 2671 | Pass                     |
| Low temperature flexibility -55°C, 4hrs     | No cracking                      | ASTM D 2671 | Pass                     |
| Tensile strength after aging (175°C/168hrs) | 70% of original min.             | ASTM D 638  | ≥90%                     |
| Elongation after aging (175°C/168hrs)       | 100% min.                        | ASTM D 638  | ≥300%                    |
| Dielectric voltage withstand                | 2500V, 60sec no breakdown        | UL224       | Pass                     |
| Dielectric strength                         | 19.7KV/mm min.                   | ASTM D 2671 | 25KV/mm                  |
| Volume resistivity                          | 10 <sup>14</sup> Ω · cm min.     | ASTM D 876  | ≥10 <sup>14</sup> Ω · cm |
| Corrosion                                   | No corrosion                     | ASTM D 2671 | Pass                     |
| Flammability                                | VW-1                             | UL224       | Pass                     |

 Standard Color : yellow-green

顏色：黃綠相間