

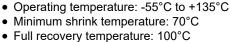
**Q2-F4X** 

Compliant

HIGH SHRINK RATIO, HIGHLY FLEXIBLE FLAME RETARDANT POLYOLEFIN TUBING SHRINK RATIO 4:1

## Features/Applications

Manufactured with specially developed formulation and technology, it can easily fit over a large diameter connector or transition and shrink down onto a smaller diameter jacket. Because of its outstanding physical, chemical and electrical properties it's widely used in some important fields such as military, aerospace and fine electronic instruments for insulating or repairing harnesses, cables and connectors.



Approval: No. E236137, File No. 242540, 125°C, VW-1, 600V

• Meets: SAE-AMS-DTL-23053/5 Class 1 & 3, Sony-SS-00259

• Standard color: Black

• Special colors: Red, blue, yellow, green

 UV Resistant RoHS Compliant



| Technical Data                                        |                               |                         |
|-------------------------------------------------------|-------------------------------|-------------------------|
| Property                                              | Test Method                   | Typical Data            |
| Operating Temperature                                 | IEC 216                       | -55°C to +135°C         |
| Tensile Strength                                      | ASTM D 2671                   | >14 MPa                 |
| Ultimate Elongation                                   | ASTM D 2671                   | > 600%                  |
| Longitudinal Shrinkage                                | UL 224                        | 0 <u>+</u> 5%           |
| Eccentricity                                          | ASTM D 2671                   | < 35%                   |
| Heat Aging<br>Tensile Strength<br>Ultimate Elongation | 175°C, 168 hrs.               | > 11 MPa<br>> 350 %     |
| Flammability                                          | VW-1                          | Pass                    |
| Dielectric Strength                                   | ASTM D 150                    | > 20kV / mm             |
| Voltage Withstand                                     | ASTM D 2671 / AC2500V. 1 min. | No Breakdown            |
| Volume Resistance                                     | ASTM D 2671                   | > 10 <sup>14</sup> Ω.cm |
| Copper Stability                                      | UL 224                        | Pass                    |
| Copper Corrosion                                      | UL 224                        | No Corrosion            |

| Product Dimensions |            |                              |                              |                          |                                            |     |  |  |
|--------------------|------------|------------------------------|------------------------------|--------------------------|--------------------------------------------|-----|--|--|
| Size               |            | As Supplied<br>(mm)          | After Recovered (mm)         |                          | Standard<br>Packaging                      |     |  |  |
| Inch mm            | mm         | Inside<br>Diameter<br>(min.) | Inside<br>Diameter<br>(max.) | Wall Thickness<br>(min.) | Cut to Length Pcs.<br>*(QB)<br>Qty per bag |     |  |  |
|                    |            |                              |                              |                          | 6"                                         | 48" |  |  |
| 3/4                | 19.1/4.6   | 19.1                         | 4.6                          | 1.7                      | 12                                         | 25  |  |  |
| 1                  | 25.4/7.0   | 25.4                         | 7.0                          | 1.7                      | 8                                          | 25  |  |  |
| 1 1/2              | 38.1/9.5   | 38.1                         | 9.5                          | 1.7                      | 5                                          | 25  |  |  |
| 2                  | 50.8/14.0  | 50.8                         | 14.0                         | 1.7                      | 3                                          | 25  |  |  |
| 3                  | 76.2/20.6  | 76.2                         | 20.6                         | 1.7                      | 2                                          | 25  |  |  |
| 4                  | 102.0/26.7 | 102.0                        | 26.7                         | 1.7                      | 1                                          | 5   |  |  |
| 4 1/2              | 115.0/36.8 | 115.0                        | 36.8                         | 1.7                      | 1                                          | 5   |  |  |

Notes:

1. \* See Part Number Guide for standard packaging codes..

2. Cross Reference Guide available.

3. Special sizes, packaging, colors and cut pieces are available upon request.

4. Clear Tubing is not flame retardant, UL or CSA approved.

## **Mouser Electronics**

**Authorized Distributor** 

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Qualtek:

Q2-F4X-3/4-01-QB1.0IN-500