

PART NUMBER EXAMPLE: **Q2-F-3/64-01-QB48IN-25**

## PART NUMBER EXAMPLE:

X - X - X - X X - X

(6) QUANTITY - QB (Q BAG) ONLY

(5) LENGTH - SEE LIST BELOW

(4) STANDARD PACKAGING CODES - SEE LIST BELOW

(3) COLOR - SEE LIST BELOW

(2) SIZE - SEE TABLE BELOW

(1) TYPE - SEE SPEC SHEET (Q1, Q2-F, Q-150K, etc....)

NOTE: Table below represents information on individual spec sheet

## STANDARD PACKAGING CODES:

MS - MINI SPOOL + LENGTH (FT or M)

QB - Q BAG (Polybag contains quantity specified)

QX - Q BOX + LENGTH (FT or M)

RK - REFILL BAG

SS - STANDARD SPOOL + LENGTH (FT or M)

## COLOR CODES:

01 BLACK

02 CLEAR

03 WHITE

04 RED

05 BLUE

06 GREEN

07 YELLOW

08 YELLOW / GREEN

09 BROWN

10 ORANGE

11 ASSORTED COLORS

12 GRAY

## LENGTH:

FT = FEET

M = METERS

IN = INCH

MM = MILLIMETERS

## HEAT SHRINK THIN WALL TUBING

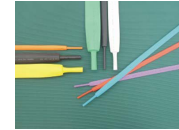
Qualtek Electronics

## Q2-F

FLEXIBLE, FLAME RETARDANT POLYOLEFIN TUBING  
ENVIRONMENT FRIENDLY, HIGHLY FLAME RETARDANT  
SHRINK RATIO 2:1

Features/Applications  
Provides both commercial and military applications electrical insulation and protects in-line components, disconnect terminals and splices with its high strength and excellent resilience. Bundles wires for very flexible light-duty harnesses. Identifies or color-codes wires, cables, terminals and components.

- Operating temperature: -55°C to +135°C
- Minimum shrink temperature: 70°C
- Full recovery temperature: 100°C
- Approval: **UL** File No. E236137, **CS** 242540
- 125°C, VW-1, 600V
- Meets: SAE-AMS-DTL-23053/5 Class 1 & 3, Sony-SS-00259
- Material: No PBI's, PBI's, PBI's, Free of Cadmium & Lead
- Standard colors: Black, red, blue, yellow, green, white, clear (class 2)
- Rohs Compliant



## Technical Data

| Property                                | Test Method                   | Typical Data  |
|-----------------------------------------|-------------------------------|---------------|
| Tensile Strength                        | ASTM D2000                    | 1400PSI       |
| Elongation at Break                     | ASTM D2000                    | 600%          |
| Temperature Shrinkage (135°C, 168 hrs.) |                               | 80%           |
| Flammability                            | UL 94V-0, SAE-AMS-DTL-23053/5 | Pass          |
| Heat Shrinkage, 135°C, 1 hr.            | ASTM D2000                    | Not Shrinkage |
| Cold Bend (10°C, 4 hrs.)                | ASTM D2000                    | Not Shrinkage |
| Moisture Resistance                     | ASTM D2000                    | 200% Pass     |
| Chemical Resistance                     | ASTM D2000                    | 100% Pass     |
| Compression                             | ASTM D2000                    | 100% Pass     |
| Impact Resistance                       | ASTM D2000                    | 100% Pass     |
| Chemical Resistance                     | ASTM D2000                    | 100% Pass     |
| Longitudinal Shrinkage                  | ASTM D2000                    | 100% Pass     |
| Exothermicity                           | ASTM D2000                    | 100% Pass     |

## Product Dimensions

| Size (inch) | As Supplied (mm)     |                      | After Recovered (mm) |                        | Standard Packaging         |                        |                           |             |
|-------------|----------------------|----------------------|----------------------|------------------------|----------------------------|------------------------|---------------------------|-------------|
|             | Inside Diameter (mm) | Inside Diameter (mm) | Wall Thickness (mm)  | Mini Spool (MS) (Feet) | Standard Spool (SS) (Feet) | Box Length (XQ) (Feet) | Cut to Length (QB) (Feet) | Qty per bag |
| 3/64        | 1.2                  | 0.6                  | 0.40                 | 100                    | 1000                       | 50                     | 40                        | 25          |
| 1/16        | 1.6                  | 0.8                  | 0.40                 | 100                    | 1000                       | 50                     | 36                        | 25          |
| 3/32        | 2.4                  | 1.2                  | 0.48                 | 100                    | 500                        | 50                     | 32                        | 25          |
| 1/8         | 3.2                  | 1.6                  | 0.48                 | 100                    | 500                        | 50                     | 28                        | 25          |
| 3/16        | 4.8                  | 2.4                  | 0.48                 | 100                    | 500                        | 30                     | 24                        | 25          |
| 1/4         | 6.4                  | 3.2                  | 0.56                 | 100                    | 500                        | 30                     | 20                        | 25          |
| 5/16        | 8.0                  | 4.0                  | 0.62                 | 100                    | 250                        | 30                     | 18                        | 25          |
| 3/8         | 9.5                  | 4.8                  | 0.62                 | 100                    | 250                        | 30                     | 16                        | 25          |
| 1/2         | 12.7                 | 6.4                  | 0.62                 | 100                    | 200                        | 15                     | 14                        | 5           |
| 5/8         | 15.9                 | 8.0                  | 0.68                 | 50                     | 200                        | 15                     | 14                        | 5           |
| 3/4         | 19.1                 | 9.5                  | 0.68                 | 50                     | 200                        | 15                     | 12                        | 5           |
| 1           | 25.4                 | 12.7                 | 0.87                 | 50                     | 200                        | 15                     | 8                         | 5           |
| 1 1/4       | 31.8                 | 15.9                 | 1.00                 | 50                     | 100                        | -                      | 8                         | 5           |
| 1 1/2       | 38.1                 | 19.1                 | 1.00                 | 50                     | 100                        | -                      | 5                         | 5           |
| 2           | 50.8                 | 25.4                 | 1.10                 | 50                     | 100                        | -                      | 3                         | 5           |
| 3           | 76.2                 | 38.1                 | 1.20                 | -                      | 100                        | -                      | 2                         | 2           |
| 4           | 102.0                | 50.8                 | 1.35                 | -                      | 100                        | -                      | 1                         | 2           |
| 5           | 125.0                | 63.5                 | 1.40                 | -                      | 50                         | -                      | 1                         | 2           |
| 6           | 151.0                | 75.0                 | 1.40                 | -                      | 50                         | -                      | 1                         | 2           |

Notes:  
1. See page 8, Part Number Guide for standard packaging codes.  
2. Cross Reference Guide located on page 8.  
3. Standard colors, packaging, colors and cut pieces are available upon request.

ISO-9001 Company

www.qualtekusa.com

Q2F-2000

## SAMPLE TABLE: Q2-F

## Product Dimensions

| Size (Inch) | As Supplied (mm)       | After Recovered (mm)   |                       | Standard Packaging      |                             |                         |                                         |
|-------------|------------------------|------------------------|-----------------------|-------------------------|-----------------------------|-------------------------|-----------------------------------------|
|             | Inside Diameter (min.) | Inside Diameter (max.) | Wall Thickness (min.) | Mini Spool *(MS) (Feet) | Standard Spool *(SS) (Feet) | Box Length *(XQ) (Feet) | Cut to Length Pcs. *(QB)<br>Qty per bag |
| 3/64        | 1.2                    | 0.6                    | 0.40                  | 100                     | 1000                        | 50                      | 40 25                                   |
| 1/16        | 1.6                    | 0.8                    | 0.40                  | 100                     | 1000                        | 50                      | 36 25                                   |
| 3/32        | 2.4                    | 1.2                    | 0.48                  | 100                     | 500                         | 50                      | 32 25                                   |
| 1/8         | 3.2                    | 1.6                    | 0.48                  | 100                     | 500                         | 50                      | 28 25                                   |
| 3/16        | 4.8                    | 2.4                    | 0.48                  | 100                     | 500                         | 30                      | 24 25                                   |
| 1/4         | 6.4                    | 3.2                    | 0.56                  | 100                     | 500                         | 30                      | 20 25                                   |
| 5/16        | 8.0                    | 4.0                    | 0.62                  | 100                     | 250                         | 30                      | 18 25                                   |
| 3/8         | 9.5                    | 4.8                    | 0.62                  | 100                     | 250                         | 30                      | 16 25                                   |
| 1/2         | 12.7                   | 6.4                    | 0.62                  | 100                     | 200                         | 15                      | 14 5                                    |
| 5/8         | 15.9                   | 8.0                    | 0.68                  | 50                      | 200                         | 15                      | 14 5                                    |
| 3/4         | 19.1                   | 9.5                    | 0.68                  | 50                      | 200                         | 15                      | 12 5                                    |
| 1           | 25.4                   | 12.7                   | 0.87                  | 50                      | 200                         | 15                      | 8 5                                     |
| 1 1/4       | 31.8                   | 15.9                   | 1.00                  | 50                      | 100                         | -                       | 8 5                                     |
| 1 1/2       | 38.1                   | 19.1                   | 1.00                  | 50                      | 100                         | -                       | 5 5                                     |
| 2           | 50.8                   | 25.4                   | 1.10                  | 50                      | 100                         | -                       | 3 5                                     |
| 3           | 76.2                   | 38.1                   | 1.20                  | -                       | 100                         | -                       | 2 2                                     |
| 4           | 102.0                  | 50.8                   | 1.35                  | -                       | 100                         | -                       | 1 2                                     |
| 5           | 125.0                  | 63.5                   | 1.40                  | -                       | 50                          | -                       | 1 2                                     |
| 6           | 151.0                  | 75.0                   | 1.40                  | -                       | 50                          | -                       | 1 2                                     |

# AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit [www.ameya360.com](http://www.ameya360.com)

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct     +86 (21) 6401-6692  
  
Email       amall@ameya360.com  
  
QQ         800077892  
  
Skype      ameyasales1 ameyasales2

➤ Customer Service :

Email       service@ameya360.com

➤ Partnership :

Tel         +86 (21) 64016692-8333  
  
Email      mkt@ameya360.com