

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: **RoHS** File No. E236137, **CE** 242540
- 125°C, VW-1, 600V
- Meets: SAE-AMS-DTL-23053/5 Class 1 & 3, Sony-SS-00259
- Material: No PBB's, PBBO's, PBDE'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	14.0 MPa
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 (25°C, 4 hrs.)	ASTM D2000	Not Shrinkage
Dielectric Strength	ASTM D149	20 kV/mm
Volume Resistance	ASTM D199	> 10 ¹² ohm-cm
Surface Resistance	ASTM D199	> 10 ¹² ohm-cm
Dielectric Constant	ASTM D155	2.3
Volume Resistance	ASTM D199	> 10 ¹² ohm-cm
Surface Resistance	ASTM D199	> 10 ¹² ohm-cm
Longitudinal Shrinkage	ASTM D2000	< 1%
Exotherm	ASTM D2000	< 1%

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 (QX) (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 *(QX) (Feet)	Cut to Length Pcs. *(QB) 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