

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 RoHS Compliant

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 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
Thermal Conductivity, W/mK	ASTM D5470	0.20
Coef. of Expansion, 1/°C	ASTM D5470	100 x 10 ⁻⁶
Coef. of Contraction, 1/°C	ASTM D5470	100 x 10 ⁻⁶
Volume Resistance	ASTM D257	> 10 ¹⁴ ohm-cm
Surface Resistance	ASTM D257	> 10 ¹² ohm-cm
Dielectric Constant	ASTM D1505	2.3
Dielectric Loss	ASTM D1505	0.001
Volume Resistance	ASTM D257	> 10 ¹⁴ ohm-cm
Surface Resistance	ASTM D257	> 10 ¹² ohm-cm
Longitudinal Shrinkage	UL 224	< 5%
Exothermically	UL 224	< 5%

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)	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-2080

SAMPLE TABLE: Q2-F

Product Dimensions

Size (Inch)	As Supplied (mm)	After Recovered (mm)		Standard Packaging				
				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	6"	48"
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