

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.)	ASTM D2000	80%
Flammability	UL 94V-0, SAE-AMS-DTL-23053/5	Pass
Heat Resistant Temp. (hrs.)	ASTM D2000	Not specified
Cold Bend (0°C, 4 hrs.)	ASTM D2000	Not specified
Dielectric Strength	ASTM D149	20 kV/mm
Volume Resistance	ASTM D199	10 ¹² ohm-cm
Surface Resistance	ASTM D199	10 ¹¹ ohm-cm
Dielectric Constant	ASTM D1505	2.3
Moisture Absorption	ASTM D1505	0.1%
Chemical Resistance	ASTM D1505	Pass
Longitudinal Shrinkage	ASTM D1505	1.5%
Exotherm	ASTM D1505	1.5%

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. Revised color 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)
3/64	1.2	0.6	0.40	100	1000	50	Cut to Length Pcs. *(QB)
1/16	1.6	0.8	0.40	100	1000	50	Qty per bag
3/32	2.4	1.2	0.48	100	500	50	6" 48"
1/8	3.2	1.6	0.48	100	500	50	40 25
3/16	4.8	2.4	0.48	100	500	30	36 25
1/4	6.4	3.2	0.56	100	500	30	32 25
5/16	8.0	4.0	0.62	100	250	30	28 25
3/8	9.5	4.8	0.62	100	250	30	24 25
1/2	12.7	6.4	0.62	100	200	15	20 25
5/8	15.9	8.0	0.68	50	200	15	18 25
3/4	19.1	9.5	0.68	50	200	15	16 25
1	25.4	12.7	0.87	50	200	15	14 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