Qualtek Electronics Corporation

RoHS COMPLIANT

Heat Shrink Tubing

Dual Wall, Adhesive-Lined Flexible Polyolefin Tubing

Q5-2X and Q5-3X Series

Features: • Designed to provide both insulation and sealing for protection against water and moisture of auto wires, shipping cables, metal tubes and bundled wires.

Specifications: • **Operating Temperature:** -45°C ~ 125°C • **Full Recovery Temperature:** 125°C • **Approvals:** UL 224: 125°C, 600V, File No. E236137 • **Shrink Ratio:** Q5-2X Series: 2:1; Q5-3X Series: 3:1 • **Color:** Black

Tubing Dia. ‡ Inches	As Supplied Minimum Inside Diameter mm	After Recovered - mm Maximum Inside Diameter	Nominal Wall Thickness	Nominal Adhesive Thickness	Digi-Key Part No.	Sold in 4' Lengths Only Price Per Length 4' (1 pc.)	8' (2 pc.)	20' (5 pc.)
Q5-2X Series								
1/8	3.2	1.60	0.70	0.20	Q52X018B-ND	1.02	1.76	3.89
3/16	4.8	2.40	0.70	0.20	Q52X316B-ND	1.22	2.11	4.68
1/4	6.4	3.20	0.75	0.20	Q52X014B-ND	1.49	2.59	5.71
3/8	9.5	4.80	0.75	0.20	Q52X038B-ND	2.03	3.52	7.79
1/2	12.7	6.40	0.75	0.20	Q52X012B-ND	2.78	4.81	10.64
3/4	19.1	9.50	0.90	0.20	Q52X034B-ND	4.54	7.87	17.41
1	25.4	12.70	1.10	0.20	Q52X100B-ND	6.71	11.63	25.71
1 1/2	38.1	19.00	1.10	0.20	Q52X112B-ND	11.18	19.37	42.84
Q5-3X Series								
1/8	3.0	0.60	1.00±0.10	0.50	Q53X018B-ND	1.02	1.76	3.89
3/16	4.8	1.50	1.10±0.10	0.50	Q53X316B-ND	1.22	2.11	4.68
1/4	6.0	2.00	1.20±0.10	0.50	Q53X014B-ND	1.49	2.59	5.71
3/8	9.0	3.00	1.30±0.10	0.60	Q53X038B-ND	2.03	3.52	7.79
1/2	12.0	4.00	1.70±0.15	0.80	Q53X012B-ND	3.12	5.41	11.96
3/4	19.0	6.00	2.00±0.20	0.80	Q53X034B-ND	4.94	8.57	18.95
1	24.0	8.00	2.20±0.20	1.05	Q53X100B-ND	7.79	13.50	29.85
1 1/4	30.0	10.00	2.40±0.20	1.05	Q53X114B-ND	9.35	16.21	35.84
1 1/2	40.0	13.00	2.50±0.20	1.05	Q53X112B-ND	12.60	21.84	48.30
2	50. 0	19.00	2.50±0.20	1.05	Q53X200B-ND	18.08	31.35	69.33

‡ Size before shrinking

Polyolefin Heat Shrink Tubing

Q2-F and Q2-F3X Series

Features: • Environmentally friendly flame retardant shrink tubing • Good flexibility and superior mechanical strength in such fields as electronics, communication and automobile

Specifications: • **Operating Temperature:** -55°C ~ 135°C • **Full Recovery Temperature:** 100°C • **Shrink Ratio:** Q2-F: 2:1; Q2-F3X: 3:1 • **Approvals:** UL 224: 125°C, 600V, VW-1, File No. E236137 • **Material:** No PBB's, PBBO's, PBBE's • **Cadmium Content:** <5ppm • **Lead Content:** <10ppm • **Standard Color:** Black

Tubing Dia. ‡ Inches	As Supplied Minimum Inside Diameter mm	After Recovered Maximum Inside Diameter mm	Nominal Wall Thickness mm	Digi-Key Part No.	Sold in 4' Lengths Only Price Per Length 4' (1 pc.)	8' (2 pc.)	Spool Size Feet	Price Per Spool
Q2-F Series								
3/64	1.6	0.60	0.40±0.08	Q2F364B-ND	.29	.50	—	—
3/64	1.6	0.60	0.40±0.08	Q2F364B-100-ND	—	—	100	6.77
3/64	1.6	0.60	0.40±0.08	Q2F364B-1000-ND	—	—	1000	63.90
1/16	2.0	0.80	0.43±0.08	Q2F116B-ND	.30	.52	—	—
1/16	2.0	0.80	0.43±0.08	Q2F116B-100-ND	—	—	100	7.11
1/16	2.0	0.80	0.43±0.08	Q2F116B-1000-ND	—	—	1000	67.10
3/32	3.1	1.20	0.51±0.08	Q2F332B-ND	.33	.57	—	—
3/32	3.1	1.20	0.51±0.08	Q2F332B-100-ND	—	—	100	7.79
3/32	3.1	1.20	0.51±0.08	Q2F332B-500-ND	—	—	500	36.75
1/8	3.7	1.60	0.51±0.08	Q2F018B-ND	.35	.62	—	—
1/8	3.7	1.60	0.51±0.08	Q2F018B-100-ND	—	—	100	8.47
1/8	3.7	1.60	0.51±0.08	Q2F018B-500-ND	—	—	500	39.94
3/16	5.2	2.40	0.51±0.08	Q2F316B-ND	.50	.87	—	—
3/16	5.2	2.40	0.51±0.08	Q2F316B-100-ND	—	—	100	12.03
3/16	5.2	2.40	0.51±0.08	Q2F316B-500-ND	—	—	500	56.71
1/4	6.8	3.20	0.64±0.08	Q2F014B-ND	.63	1.10	—	—
1/4	6.8	3.20	0.64±0.08	Q2F014B-100-ND	—	—	100	15.07
1/4	6.8	3.20	0.64±0.08	Q2F014B-500-ND	—	—	500	71.10
5/16	8.8	4.00	0.64±0.08	Q2F516B-ND	.73	1.27	—	—
5/16	8.8	4.00	0.64±0.08	Q2F516B-100-ND	—	—	100	17.44
5/16	8.8	4.00	0.64±0.08	Q2F516B-250-ND	—	—	250	41.14
3/8	10.7	4.80	0.64±0.08	Q2F038B-ND	.86	1.49	—	—
3/8	10.7	4.80	0.64±0.08	Q2F038B-100-ND	—	—	100	20.49
3/8	10.7	4.80	0.64±0.08	Q2F038B-250-ND	—	—	250	48.33
1/2	13.7	6.40	0.64±0.08	Q2F012B-ND	1.07	1.85	—	—
1/2	13.7	6.40	0.64±0.08	Q2F012B-100-ND	—	—	100	25.40
1/2	13.7	6.40	0.64±0.08	Q2F012B-200-ND	—	—	200	47.93
5/8	16.7	8.00	0.76±0.08	Q2F058B-ND	1.66	2.87	—	—
5/8	16.7	8.00	0.76±0.08	Q2F058B-50-ND	—	—	50	19.73
5/8	16.7	8.00	0.76±0.08	Q2F058B-200-ND	—	—	200	74.45
3/4	20.5	9.50	0.76±0.08	Q2F034B-ND	1.95	3.38	—	—
3/4	20.5	9.50	0.76±0.08	Q2F034B-50-ND	—	—	50	23.20
3/4	20.5	9.50	0.76±0.08	Q2F034B-200-ND	—	—	200	87.55
1	26.5	12.70	0.89±0.12	Q2F100B-ND	2.77	4.80	—	—
1	26.5	12.70	0.89±0.12	Q2F100B-50-ND	—	—	50	32.94
1	26.5	12.70	0.89±0.12	Q2F100B-200-ND	—	—	200	124.29
Q2-F3X Series								
1/16	1.6	0.5	0.45	Q2F3X116B-ND	.31	.54	—	—
1/16	1.6	0.5	0.45	Q2F3X116B-100-ND	—	—	100	6.94
1/16	1.6	0.5	0.45	Q2F3X116B-500-ND	—	—	500	36.75
1/8	3.2	1.0	0.55	Q2F3X018B-ND	.38	.66	—	—
1/8	3.2	1.0	0.55	Q2F3X018B-100-ND	—	—	100	9.39
1/8	3.2	1.0	0.55	Q2F3X018B-500-ND	—	—	500	45.53
3/16	4.8	1.5	0.60	Q2F3X316B-ND	1.10	1.91	—	—
3/16	4.8	1.5	0.60	Q2F3X316B-100-ND	—	—	100	13.50
3/16	4.8	1.5	0.60	Q2F3X316B-250-ND	—	—	250	31.06
1/4	6.4	2.0	0.65	Q2F3X014B-ND	.75	1.31	—	—
1/4	6.4	2.0	0.65	Q2F3X014B-100-ND	—	—	100	18.43
1/4	6.4	2.0	0.65	Q2F3X014B-250-ND	—	—	250	44.73
3/8	9.5	3.0	0.75	Q2F3X038B-ND	1.03	1.78	—	—
3/8	9.5	3.0	0.75	Q2F3X038B-100-ND	—	—	100	25.18
3/8	9.5	3.0	0.75	Q2F3X038B-250-ND	—	—	250	61.11
1/2	12.7	4.0	0.80	Q2F3X012B-ND	1.28	2.22	—	—
1/2	12.7	4.0	0.80	Q2F3X012B-50-ND	—	—	50	15.71
1/2	12.7	4.0	0.80	Q2F3X012B-150-ND	—	—	150	45.75
3/4	19.1	6.0	0.90	Q2F3X034B-ND	2.39	4.16	—	—
3/4	19.1	6.0	0.90	Q2F3X034B-50-ND	—	—	50	29.36
3/4	19.1	6.0	0.90	Q2F3X034B-150-ND	—	—	150	85.51
1	25.4	8.0	1.20	Q2F3X100B-ND	3.37	5.85	—	—
1	25.4	8.0	1.20	Q2F3X100B-50-ND	—	—	50	41.37
1 1/2	39.0	13.0	1.25	Q2F3X112B-ND	6.11	10.59	—	—
1 1/2	39.0	13.0	1.25	Q2F3X112B-50-ND	—	—	50	72.65
1 1/2	39.0	13.0	1.25	Q2F3X112B-150-ND	—	—	150	217.97

‡ Size before shrinking

Heat Shrink Tubing Kits

Q2-F and Q2-Z Series

Q2Z1-KIT-ND - Heat Shrink Kit 1 Includes: 180 pieces, 6" Lengths, Black
3/64" (40 pcs.), 1/16" (36 pcs.), 3/32" (32 pcs.), 1/8" (28 pcs.), 3/16" (24 pcs.), 1/4" (20 pcs.) **16.16**

Q2Z2-KIT-ND - Heat Shrink Kit 2 Includes: 82 pieces, 6" Lengths, Black
5/16" (18 pcs.), 3/8" (16 pcs.), 1/2" (14 pcs.), 5/8" (14 pcs.), 3/4" (12 pcs.), 1" (8 pcs.) **22.02**

Q2F1-KIT-ND - Heat Shrink Kit 1 Includes: 180 pieces, 6" Lengths, Black
3/64" (40 pcs.), 1/16" (36 pcs.), 3/32" (32 pcs.), 1/8" (28 pcs.), 3/16" (24 pcs.), 1/4" (20 pcs.) **17.68**

Q2F8-KIT-ND - Heat Shrink Kit 2 Includes: 82 pieces, 6" Lengths, Black
5/16" (18 pcs.), 3/8" (16 pcs.), 1/2" (14 pcs.), 5/8" (14 pcs.), 3/4" (12 pcs.), 1" (8 pcs.) **24.23**

Q2F15-KIT-ND - Heat Shrink Kit 4 Includes: 141 pieces, 6" Lengths, Assorted Colors
1/16" (39 pcs.), 1/8" (31 pcs.), 1/4" (23 pcs.), 3/8" (19 pcs.), 1/2" (19 pcs.), 1" (10 pcs.) **27.66**

Refill Bags

Description	Digi-Key Part No.	Price Each
Refill Bags for Q2F Kit 1		
3/64", 40 pieces (consists of 6" pieces), Black	Q2F2-KIT-ND	1.56
1/16", 36 pieces (consists of 6" pieces), Black	Q2F3-KIT-ND	1.47
3/32", 32 pieces (consists of 6" pieces), Black	Q2F4-KIT-ND	1.43
1/8", 28 pieces (consists of 6" pieces), Black	Q2F5-KIT-ND	.90
3/16", 24 pieces (consists of 6" pieces), Black	Q2F6-KIT-ND	1.66
1/4", 20 pieces (consists of 6" pieces), Black	Q2F7-KIT-ND	1.15
Refill Bags for Q2F Kit 2		
5/16", 18 pieces (consists of 6" pieces), Black	Q2F9-KIT-ND	1.20
3/8", 16 pieces (consists of 6" pieces), Black	Q2F10-KIT-ND	1.26
1/2", 14 pieces (consists of 6" pieces), Black	Q2F11-KIT-ND	1.36
5/8", 14 pieces (consists of 6" pieces), Black	Q2F12-KIT-ND	2.11
3/4", 12 pieces (consists of 6" pieces), Black	Q2F13-KIT-ND	2.14
1", 8 pieces (consists of 6" pieces), Black	Q2F14-KIT-ND	2.02
Refill Bags for Q2F Kit 4		
1/16, 39 pieces (consists of 6" pieces), Assorted Colors	Q2F16-KIT-ND	1.07
1/8", 31 pieces (consists of 6" pieces), Assorted Colors	Q2F17-KIT-ND	.98
1/4", 23 pieces (consists of 6" pieces), Assorted Colors	Q2F18-KIT-ND	1.26
3/8", 19 pieces (consists of 6" pieces), Assorted Colors	Q2F19-KIT-ND	1.37
1/2", 19 pieces (consists of 6" pieces), Assorted Colors	Q2F20-KIT-ND	1.48
1", 10 pieces (consists of 6" pieces), Assorted Colors	Q2F21-KIT-ND	2.19

Modified Thin Wall Flexible Kynar® (PVDF) Heat Shrink Tubing - Q-150K Series

Features: • Excellent flame retardant heat shrinkable polyvinylidene fluoride tubing • Outstanding abrasion and cut-through resistance • Superior chemical and solvent resistant properties • Available in clear and black

Specifications: • **Operating Temperature:** -55°C ~ 150°C • **Full Recovery Temperature:** 175°C • **Shrink Ratio:** 2:1 • **Approvals:** UL 224: 150°C, 600V, File No. E245010

Tubing Dia. ‡ Inches	As Supplied Minimum Inside Diameter mm	After Recovered Maximum Inside Diameter mm	Wall Thickness mm	Color	Digi-Key Part No.	Sold in 4' Lengths Only Price Per Length 4' (1 pc.)	8' (2 pc.)	20' (5 pc.)
3/64	1.2	0.6 0	0.25±0.05	Clear	QKY364C-ND	1.19	2.05	4.54
3/64	1.2	0.6 0	0.25±0.05	Black	QKY364B-ND	1.19	2.05	4.54
1/16	1.6	0.80	0.25±0.05	Clear	QKY116C-ND	1.32	2.29	5.07
1/16	1.6	0.80	0.25±0.05	Black	QKY116B-ND	1.32	2.29	5.07
3/32	2.4	1.20	0.27±0.04	Clear	QKY332C-ND	1.67	2.90	6.41
3/32	2.4	1.20	0.27±0.04	Black	QKY332B-ND	1.67	2.90	6.41
1/8	3.2	1.60	0.27±0.04	Clear	QKY018C-ND	2.02	3.50	7.74
1/8	3.2	1.60	0.27±0.04	Black	QKY018B-ND	2.02	3.50	7.74
3/16	4.8	2.40	0.27±0.04	Clear	QKY316C-ND	2.86	4.95	10.95
3/16	4.8	2.40	0.27±0.04	Black	QKY316B-ND	2.86	4.95	10.95
1/4	6.4	3.20	0.33±0.05	Clear	QKY014C-ND	3.48	6.04	13.35
1/4	6.4	3.20	0.33±0.05	Black	QKY014B-ND	3.48	6.04	13.35
3/8	9.5	4.80	0.33±0.05	Clear	QKY038C-ND	5.29	9.18	20.29
3/8	9.5	4.80	0.33±0.05	Black	QKY038B-ND	5.29	9.18	20.29
1/2	12.7	6.40	0.33±0.05	Clear	QKY012C-ND	7.10	12.32	27.24
1/2	12.7	6.40	0.33±0.05	Black	QKY012B-ND	7.10	12.32	27.24
3/4	19.1	9.50	0.43±0.07	Clear	QKY034C-ND	12.40	21.49	47.54
3/4	19.1	9.50	0.43±0.07	Black	QKY034B-ND	12.40	21.49	47.54
1	25.4	12.70	0.48±0.07	Clear	QKY100C-ND	17.97	31.15	68.88
1	25.4	12.70	0.48±0.07	Black	QKY100B-ND	17.97	31.15	68.88

‡ Size before shrinking

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Free shipping on orders over €65! All prices in euro and include duties.