



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. $\frac{1}{4}$ Inches	As Supplied Minimum Inside Diameter mm	After Recovered - mm			Digi-Key Part No.	Sold in 4' Lengths Only Price Per Length		
		Maximum Inside Diameter	Nominal Wall Thickness	Nominal Adhesive Thickness		4' (1 pc.)	8' (2 pc.)	20' (5 pc.)
Q5-2X Series								
1/8	3.2	1.60	0.70	0.20	Q52X018B-ND	1.27	2.20	4.86
3/16	4.8	2.40	0.70	0.20	Q52X0316B-ND	1.52	2.64	5.84
1/4	6.4	3.20	0.75	0.20	Q52X014B-ND	1.86	3.23	7.13
3/8	9.5	4.80	0.75	0.20	Q52X038B-ND	2.54	4.40	9.73
1/2	12.7	6.40	0.75	0.20	Q52X012B-ND	3.47	6.01	13.29
3/4	19.1	9.50	0.90	0.20	Q52X034B-ND	5.67	9.83	21.74
1	25.4	12.70	1.10	0.20	Q52X100B-ND	8.38	14.52	32.11
1 1/2	38.1	19.00	1.10	0.20	Q52X112B-ND	13.96	24.19	53.50
Q5-3X Series								
1/8	3.0	0.60	1.00±0.10	0.50	Q53X018B-ND	1.27	2.20	4.86
3/16	4.8	1.50	1.10±0.10	0.50	Q53X0316B-ND	1.52	2.64	5.84
1/4	6.0	2.00	1.20±0.10	0.50	Q53X014B-ND	1.86	3.23	7.13
3/8	9.0	3.00	1.30±0.10	0.60	Q53X038B-ND	2.54	4.40	9.73
1/2	12.0	4.00	1.70±0.15	0.80	Q53X012B-ND	3.89	6.75	14.93
3/4	19.0	6.00	2.00±0.20	0.80	Q53X034B-ND	6.17	10.70	23.67
1	24.0	8.00	2.20±0.20	1.05	Q53X100B-ND	9.73	16.86	37.28
1 1/4	30.0	10.00	2.40±0.20	1.05	Q53X114B-ND	11.68	20.24	44.76
1 1/2	40.0	13.00	2.50±0.20	1.05	Q53X112B-ND	13.63	24.12	52.44
2	50.0	19.00	2.50±0.20	1.05	Q53X200B-ND	19.57	34.63	75.28

‡ 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° - 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, PBBS's • Cadmium Content: <5ppm • Lead Content: <10ppm • Standard Color: Black

Tubing Dia. $\frac{1}{4}$ Inches	As Supplied Minimum Inside Diameter mm	After Recovered		Digi-Key Part No.	Sold in 4' Lengths Only Price Per Length			Spool Size Feet	Price Per Spool
		Maximum Inside Diameter	Nominal Wall Thickness		4' (1 pc.)	8' (2 pc.)	20' (5 pc.)		
Q2-F Series									
3/64	1.6	0.60	0.40±0.08	Q2F364B-ND Q2F364B-100-ND Q2F364B-1000-ND	.36	1.36	—	100	4.51
1/16	2.0	0.80	0.43±0.08	Q2F16B-ND Q2F16B-100-ND Q2F16B-1000-ND	.37	1.43	—	100	4.74
3/32	3.1	1.20	0.51±0.08	Q2F32B-ND Q2F32B-100-ND Q2F32B-500-ND	.41	1.57	—	100	5.19
1/8	3.7	1.60	0.51±0.08	Q2F018B-ND Q2F018B-100-ND Q2F018B-500-ND	.44	1.70	—	100	5.64
3/16	5.2	2.40	0.51±0.08	Q2F316B-ND Q2F316B-100-ND Q2F316B-500-ND	.63	2.42	—	100	8.01
1/4	6.8	3.20	0.64±0.08	Q2F014B-ND Q2F014B-100-ND Q2F014B-500-ND	.79	3.03	—	100	10.04
5/16	8.8	4.00	0.64±0.08	Q2F516B-ND Q2F516B-100-ND Q2F516B-250-ND	.91	3.51	—	100	11.62
3/8	10.7	4.80	0.64±0.08	Q2F038B-ND Q2F038B-100-ND Q2F038B-250-ND	1.07	4.12	—	100	13.65
1/2	13.7	6.40	0.64±0.08	Q2F012B-ND Q2F012B-100-ND Q2F012B-200-ND	1.33	5.11	—	100	16.92
5/8	16.7	8.00	0.76±0.08	Q2F058B-ND Q2F058B-50-ND Q2F058B-200-ND	2.07	7.93	—	50	13.14
3/4	20.5	9.50	0.76±0.08	Q2F034B-ND Q2F034B-50-ND Q2F034B-200-ND	2.44	9.34	—	50	15.45
1	26.5	12.70	0.89±0.12	Q2F100B-ND Q2F100B-50-ND Q2F100B-200-ND	3.46	13.24	—	50	21.94
Q2-F3X Series									
1/16	1.6	0.5	0.45	Q2F3X116B-ND Q2F3X116B-100-ND Q2F3X116B-500-ND	.39	1.48	—	100	4.62
1/8	3.2	1.0	0.55	Q2F3X018B-ND Q2F3X018B-100-ND Q2F3X018B-500-ND	.48	1.83	—	100	6.26
3/16	4.8	1.5	0.60	Q2F3X0316B-ND Q2F3X0316B-100-ND Q2F3X0316B-250-ND	1.37	5.27	—	100	8.99

‡ Size before shrinking

Tubing Dia. $\frac{1}{4}$ Inches	As Supplied Minimum Inside Diameter mm	After Recovered		Digi-Key Part No.	Sold in 4' Lengths Only Price Per Length		Spool Size Feet	Price Per Spool
		Maximum Inside Diameter	Nominal Wall Thickness		4' (1 pc.)	20' (5 pc.)		
1/4	6.4	2.0	0.65	Q2F3X014B-ND Q2F3X014B-100-ND Q2F3X014B-250-ND	.94	3.60	100	12.27
3/8	9.5	3.0	0.75	Q2F3X038B-ND Q2F3X038B-100-ND Q2F3X038B-250-ND	1.28	4.91	100	16.77
1/2	12.7	4.0	0.80	Q2F3X012B-ND Q2F3X012B-50-ND Q2F3X012B-150-ND	1.60	6.14	50	10.46
3/4	19.1	6.0	0.90	Q2F3X034B-ND Q2F3X034B-50-ND Q2F3X034B-150-ND	2.99	11.47	50	19.55
1	25.4	8.0	1.20	Q2F3X100B-ND Q2F3X100B-50-ND Q2F3X100B-150-ND	4.21	16.15	50	27.55
1 1/2	39.0	13.0	1.25	Q2F3X112B-ND Q2F3X112B-50-ND Q2F3X112B-150-ND	7.63	29.23	50	48.38

‡ 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.) **\$20.18**

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.) **\$27.50**

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.) **\$22.08**

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.) **\$30.26**

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.) **\$34.54**

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	1.30
1/16", 36 pieces (consists of 6" pieces), Black	Q2F3-KIT-ND	1.23
3/32", 32 pieces (consists of 6" pieces), Black	Q2F4-KIT-ND	1.19
1/8", 28 pieces (consists of 6" pieces), Black	Q2F5-KIT-ND	1.13
3/16", 24 pieces (consists of 6" pieces), Black	Q2F6-KIT-ND	1.38
1/4", 20 pieces (consists of 6" pieces), Black	Q2F7-KIT-ND	1.44
Refill Bags for Q2F Kit 2		
5/16", 18 pieces (consists of 6" pieces), Black	Q2F9-KIT-ND	1.50
3/8", 16 pieces (consists of 6" pieces), Black	Q2F10-KIT-ND	1.57
1/2", 14 pieces (consists of 6" pieces), Black	Q2F11-KIT-ND	1.70
5/8", 14 pieces (consists of 6" pieces), Black	Q2F12-KIT-ND	2.64
3/4", 12 pieces (consists of 6" pieces), Black	Q2F13-KIT-ND	2.67
1", 8 pieces (consists of 6" pieces), Black	Q2F14-KIT-ND	2.52
Refill Bags for Q2F Kit 4		
1/16, 39 pieces (consists of 6" pieces), Assorted Colors	Q2F16-KIT-ND	1.33
1/8", 31 pieces (consists of 6" pieces), Assorted Colors	Q2F17-KIT-ND	1.23
1/4", 23 pieces (consists of 6" pieces), Assorted Colors	Q2F18-KIT-ND	1.57
3/8", 19 pieces (consists of 6" pieces), Assorted Colors	Q2F19-KIT-ND	1.71
1/2", 19 pieces (consists of 6" pieces), Assorted Colors	Q2F20-KIT-ND	1.85
1", 10 pieces (consists of 6" pieces), Assorted Colors	Q2F21-KIT-ND	2.74



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. $\frac{1}{4}$ Inches	As Supplied Minimum Inside Diameter mm	After Recovered		Color	Digi-Key Part No.	Sold in 4' Lengths Only Price Per Length		
		Maximum Inside Diameter	Wall Thickness mm			4' (1 pc.)	8' (2 pc.)	20' (5 pc.)
3/64	1.2	0.60	0.25±0.05	Clear Black	QKY364C-ND QKY364B-ND	1.48	2.56	5.67
1/16	1.6	0.80	0.25±0.05	Clear Black	QKY116C-ND QKY116B-ND	1.65	2.86	6.33
3/32	2.4	1.20	0.27±0.04	Clear Black	QKY332C-ND QKY332B-ND	2.09	3.62	8.00
1/8	3.2	1.60	0.27±0.04	Clear Black	QKY018C-ND QKY018B-ND	2.52	4.37	9.67
3/16	4.8	2.40	0.27±0.04	Clear Black	QKY316C-ND QKY316B-ND	3.57	6.18	13.67
1/4	6.4	3.20	0.33±0.05	Clear Black	QKY014C-ND QKY014B-ND	4.35	7.54	16.67
3/8	9.5	4.80	0.33±0.05	Clear Black	QKY038C-ND QKY038B-ND	6.61	11.46	25.34
1/2	12.7	6.40	0.33±0.05	Clear Black	QKY012C-ND QKY012B-ND	8.87	15.38	34.02
3/4	19.1	9.50	0.43±0.07	Clear Black	QKY034C-ND QKY034B-ND	13.42	23.75	51.62
1	25.4	12.70	0.48±0.07	Clear Black	QKY100C-ND QKY100B-ND	17.20	29.92	67.32

‡ Size before shrinking

More Product Available Online: www.digkey.com

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380