

Heat Shrink Displays



Display #10901

Part #	Description	Color	Qty.
Large Cards			
11003	1.5" diam. x 24"	Blue	2
11004	1.5" diam. x 24"	Red	2
11006	1.5" diam. x 24"	Yellow	2
11007	1" diam. x 12"	Assorted	2
11016	1/8" to 1" diam. x 12"	Assorted	4
Small Cards			
11008	3/8", 1/2", 3/4" diam. x 6"	Black / White	6
11010	1/2" diam. x 6"	Assorted	4
11011	3/8" diam. x 6"	Assorted	4
11012	1/4", 3/16", 1/8" diam. x 6"	Black / White	6
11014	1/4" diam. x 6"	Assorted	4
11015	3/16" diam. x 6"	Assorted	4
14000	Thermaflox Plus mix x 6"	Black	4
Small Spools			
12000	1/8" diam. x 25'	Black	2
12020	1/8" diam. x 25'	Red	2
12040	1/8" diam. x 25'	Yellow	2
12001	3/16" diam. x 25'	Black	2
12021	3/16" diam. x 25'	Red	2
12041	3/16" diam. x 25'	Yellow	2
12002	1/4" diam. x 15'	Black	2
12022	1/4" diam. x 15'	Red	2
12042	1/4" diam. x 15'	Yellow	2
12003	3/8" diam. x 10'	Black	2
12004	1/2" diam. x 10'	Black	2
Large Spools			
13005	3/4" diam. x 20'	Black	1
Dual Wall 'Plus' (Adhesive-lined)			
15001	Thermaflox Plus Size #1	Black	8
15002	Thermaflox Plus Size #2	Black	8
15003	Thermaflox Plus Size #3	Black	6
15004	Thermaflox Plus Size #4	Black	2



Display #10902

Part #	Description	Color	Qty.
Large Cards			
11007	1" diam. x 12"	Assorted	2
11016	1/8" to 1" diam. x 12"	Assorted	4
Small Cards			
11008	3/8", 1/2", 3/4" diam. x 6"	Black / White	6
11011	3/8" diam. x 6"	Assorted	3
11012	1/4", 3/16", 1/8" diam. x 6"	Black / White	6
11014	1/4" diam. x 6"	Assorted	3
11015	3/16" diam. x 6"	Assorted	3
14000	Thermaflox Plus mix x 6"	Black	3
Small Spools			
12000	1/8" diam. x 25'	Black	2
12001	3/16" diam. x 25'	Black	2
12002	1/4" diam. x 15'	Black	2
12003	3/8" diam. x 10'	Black	2
12004	1/2" diam. x 10'	Black	2
Dual Wall 'Plus' (Adhesive-lined)			
15001	Thermaflox Plus Size #1	Black	4
15002	Thermaflox Plus Size #2	Black	4
15003	Thermaflox Plus Size #3	Black	2
15004	Thermaflox Plus Size #4	Black	2

Heat Shrink Displays (continued)



Display #10903

Part #	Description	Color	Qty.
Small Cards			
11008	3/8", 1/2", 3/4" diam. x 6"	Black / White	3
11009	1/8" diam. x 6"	Assorted	3
11012	1/4", 3/16", 1/8" diam. x 6"	Black / White	6
11014	1/4" diam. x 6"	Assorted	3
11015	3/16" diam. x 6"	Assorted	3
Small Spools			
12000	1/8" diam. x 25'	Black	2
12001	3/16" diam. x 25'	Black	2
12021	3/16" diam. x 25'	Red	2
12002	1/4" diam. x 15'	Black	2
12022	1/4" diam. x 15'	Red	2
12003	3/8" diam. x 10'	Black	2
12004	1/2" diam. x 10'	Black	2
Large Spools			
13005	3/4" diam. x 20'	Black	1
Dual Wall 'Plus' (Adhesive-lined)			
15001	Thermafix Plus Size #1	Black	3
15002	Thermafix Plus Size #2	Black	3
15003	Thermafix Plus Size #3	Black	2
15004	Thermafix Plus Size #4	Black	2
Heavy Duty 'ST'			
15085	Heavy duty 1.1" Tubing	Black / Red	2
Heat Shrink Terminals			
16001	Assorted Shrink Splices	Assorted	2
16002	Assorted Shrink Terminals	Assorted	2
16005	16-14 Gauge Splices	Blue	2
Cable Ties			
17005	Cable ties 8" 100 pc	Natural	3
17006	Cable ties 8" 100 pc	Black	3
17009	Cable ties 14" 50 lb. test	Natural	3



Display #10904

Part #	Description	Color	Qty.
Small Spools			
12000	1/8" diam. x 25'	Black	2
12001	3/16" diam. x 25'	Black	2
12002	1/4" diam. x 15'	Black	2
12003	3/8" diam. x 10'	Black	2
12004	1/2" diam. x 10'	Black	2
Medium Spools			
13005	3/4" diam. x 20'	Black	1
Dual Wall 'Plus' (Adhesive-lined)			
15001	Thermafix Plus No. 1 x 14pc	Black	4
15002	Thermafix Plus No. 2 x 12pc	Black	4
15003	Thermafix Plus No. 3 x 10pc	Black	2
15004	Thermafix Plus No. 4 x 5pc	Black	2
Thermafix CrimpTM			
16001	HS SPLICE -18 PC	Assorted	2
16005	HS SPLICE -18 PC	Blue	2
16006	HS SPLICE -12 PC	Yellow	2
16009	HS RING #10 -18 PC	Blue	2
Tools			
TFX2050	Butane Micro Torch		1
TFX3000	Electronic Heat Gun		1



***TFX-3000**
Two Stage
General Purpose
Hot Air Gun



***TFX2050**
Butane
Micro Torch

Other Displays

Display #10905

Part #	Description	Color	Qty.
Cable Ties			
17001	Cable ties 4" 18 lb. test	natural	10
17003	Cable ties 5.5" 30 lb. test	natural	10
17005	Cable ties 7.5" 50 lb test	natural	10
17006	Cable ties 7.5" 50 lb. test	black	10
17007	Cable ties 11" 50 lb. test	natural	5
17009	Cable ties 14" 50 lb. test	natural	5

**125 assorted packs
of our most
popular PVC terminals**

Display #10906



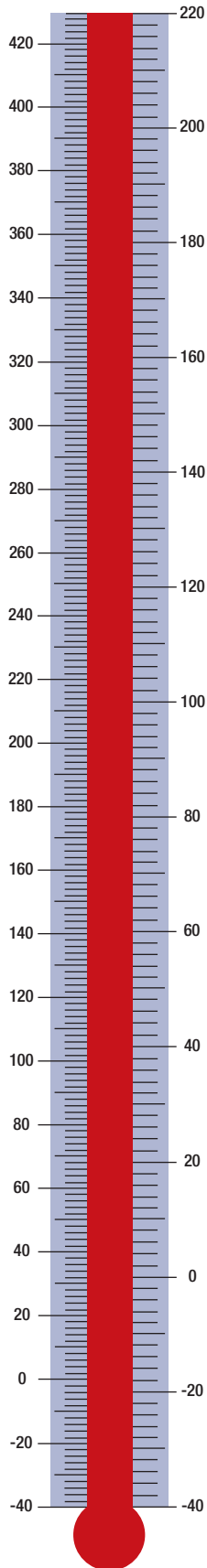
Part #	Description	Packs
75101	Splice red PVC, 25 pcs	5
75103	Splice blue PVC, 25 pcs	5
75105	Splice yellow PVC, 15 pcs	5
75131	#10 spade red PVC, 25 pcs	5
75133	#6 spade red PVC, 25 pcs	5
75139	#10 spade blue PVC, 25 pcs	5
75141	#6 spade blue PVC, 25 pcs	5
75147	#10 spade yellow PVC, 15 pcs	5
75157	Insulated female QDC 1/4 red, 10 pcs	3
75161	Insulated female QDC 1/4 blue, 10 pcs	3
75165	Insulated male QDC 1/4 red, 10 pcs	3
75167	Insulated male QDC 1/4 blue, 10 pcs	3
75187	Female QDC 1/4 red PVC, 20 pcs	5
75193	Female QDC 1/4 blue PVC, 25 pcs	5
75195	Female QDC 1/4 yellow PVC, 25 pcs	3
75201	Male QDC 1/4 red 25 pcs	5
75205	Male QDC 1/4 blue 25 pcs	5
75207	Male QDC 1/4 yellow 20 pcs	3
75229	#10 ring red PVC 25 pcs	5
75237	#6 ring red PVC 25 pcs	5
75241	#10 ring blue PVC 25 pcs	5

Part #	Description	Packs
75243	#1/4 ring blue PVC, 15 pcs	5
75253	#10 ring yellow PVC, 20 pcs	5
75255	#1/4 ring yellow PVC, 15 pcs	5
75257	#3/8 ring yellow PVC, 15 pcs	3
75271	Tap splice blue PVC, 12 pcs	3
75273	Tap splice yellow PVC, 8 pcs	3
75276	Closed end connector 16-10, 15 pcs	3

Fahrenheit to Centigrade

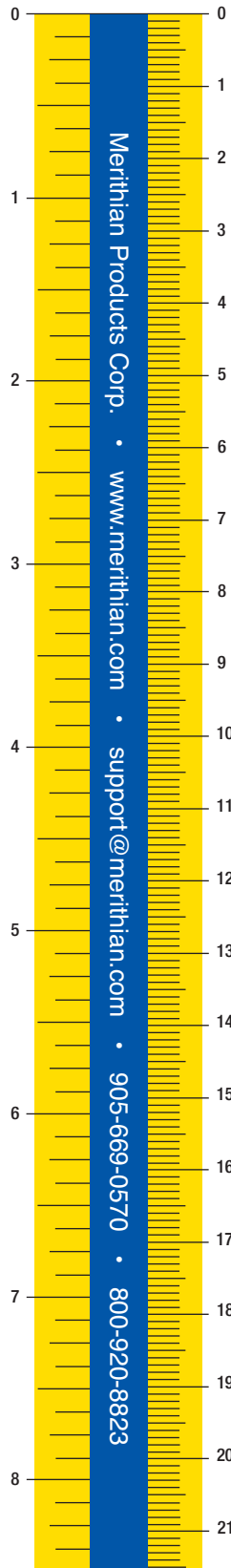
F to C: first deduct 32, multiply by 5 then divide by 9

C to F: multiply by 9, divide by 5, add 32



Inches & Millimeters

1 inch is equal to 2.54 centimeters
or 1" = 25.4 mm



Wire Gauge Conversion

To read mils, move decimal point three places to the right

Gauge	Diameter (in.)	Gauge	Diameter (in.)	Gauge	Diameter (in.)
4/0	.460	12	.081	27	.0142
3/0	.410	13	.072	28	.0126
2/0	.365	14	.064	29	.0113
1/0	.325	15	.057	30	.0100
1	.289	16	.051	31	.0089
2	.258	17	.045	32	.0080
3	.229	18	.040	33	.0071
4	.204	19	.036	34	.0063
5	.182	20	.032	35	.0056
6	.162	21	.0285	36	.0050
7	.144	22	.0253	37	.0045
8	.128	23	.0226	38	.0040
9	.114	24	.0201	39	.0035
10	.102	25	.0179	40	.0031
11	.091	26	.0159		

Length Conversion

- 1 inch = 25.4 millimeters
- 1 millimeter = 0.03937 inch
- 1 foot = 0.3048 meters
- 1 yard = 0.9144 meters
- 1 meter = 3.281 feet

Temperature Conversion

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \div 9 \times 5$$

$$^{\circ}\text{C} \times (9 \div 5) + 32 = ^{\circ}\text{F}$$

$$^{\circ}\text{C} = .556 (^{\circ}\text{F} - 32)$$





















$$^{\circ}\text{F} = 1.8 (^{\circ}\text{C}) + 32$$

Decimal Equivalents Charts

numerator ÷ denominator = decimal

Fraction =	Decimal	Fraction =	Decimal
1/64	.015625	33/64	.515625
1/32	.03125	17/32	.53125
3/64	.046875	35/64	.546875
1/16	.0625	9/16	.5625
5/64	.078125	37/64	.578125
3/32	.09375	19/32	.59375
7/64	.109375	39/64	.609375
1/8	.125	5/8	.625
9/64	.140625	41/64	.640625
5/32	.15625	21/32	.65625
11/64	.171875	43/64	.671875
3/16	.1875	11/16	.6875
13/64	.203125	45/64	.703125
7/32	.21875	23/32	.71875
5/64	.234375	47/64	.734375
1/4	.25	3/4	.75
17/64	.265625	49/64	.765625
9/32	.28125	25/32	.78125
19/64	.296875	51/64	.796875
5/16	.3125	13/16	.8125
21/64	.328125	53/64	.828125
11/32	.34375	27/32	.84375
23/64	.359375	55/64	.859375
3/8	.375	7/8	.875
25/64	.390625	57/64	.890625
13/32	.40625	29/32	.90625
27/64	.421875	59/64	.921875
7/16	.4375	15/16	.9375
29/64	.453125	61/64	.953125
15/32	.46875	31/32	.95875
31/64	.484375	63/64	.984375
1/2	.5	1	1.0

Stud and Hole Chart Sizes

Standard Stud Size	Screw Diameter (in.)	Hole Diameter (in.)
 #0	.060 (1.52 mm)	0.094 (2.39 mm)
 #1	.073 (1.83 mm)	
 #2	.086 (2.18 mm)	
 #3	.099 (2.51 mm)	0.120 (3.05 mm)
 #4	.112 (2.85 mm)	
 #5	.125 (3.18 mm)	0.146 (3.71 mm)
 #6	.138 (3.50 mm)	
 #8	.164 (4.17 mm)	0.173 (4.39 mm)
 #10	.190 (4.83 mm)	0.198 (5.03 mm)
 #12	.216 (5.50 mm)	17/64 (6.75 mm)
 #14	.242 (6.15 mm)	
 1/4" (6.35 mm)	.250 (6.35 mm)	
 5/16" (7.93 mm)	.312 (7.93 mm)	21/64 (8.33 mm)
 3/8" (9.53 mm)	.375 (9.53 mm)	25/64 (9.92 mm)
 7/16" (11.01 mm)	.437 (11.10 mm)	29/64 (9.92 mm)
 1/2" (12.70 mm)	.500 (12.70 mm)	33/64 (13.10 mm)
 5/8" (15.90 mm)	.625 (15.90 mm)	21/32 (16.70 mm)
 3/4" (19.10 mm)	.750 (19.10 mm)	25/32 (19.80 mm)
 7/8" (22.23 mm)	.875 (22.23 mm)	29/32 (23.03 mm)
 1" (25.40 mm)	1.000 (25.40 mm)	1-1/32 (25.43 mm)

Part Number Index

10002	12	16128 to 16129	11	17613 to 17650	25
10003	12	16130	10	17785 to 17787	24
10004	13	16131	11	17807 to 17809	24
10005	13	16806	9	17811 to 17812	25
10009	13	18611 to 16822	10	17814	24
10010	13	16831	11	17819 to 17820	25
10007	14	16904 to 16905	9	17825 to 17867	24
10008	14	16907 to 16910	10	17870	25
10077	23	16913 to 16916	11	17877 to 17927	24
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10901	53	16928 to 16929	11	17943 to 17975	24
10902	53	16930	10	17980	25
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10905	55	17013 to 17016	24	18301 to 18315	27
10906	55	17019 to 17020	25	18320 to 18490	23
11001 to 11016	2	17025 to 17032	24	18500	27
12000 to 12290	1	17033 to 17042	25	19000 to 19450	3
13000 to 13290	1	17043 to 17067	25	19451 to 19456	8
13451 to 13456	8	17070	25	19460 to 19663	3
14000 to 15004	4	17075 to 17077	24	22002 to 22520	27
15005	5	17080	25	23001 to 23997	8
15010 to 15014	4	17085 to 17087	24	24002 to 24520	27
15025 to 15625	5	17091	24	26003 to 26905	9
16001 to 16006	9	17113 to 17116	25	27025 to 27085	24
16007 to 16012	10	17125 to 17127	24	27300 to 27400	26
16013 to 16016	11	17131 to 17132	25	27925 to 27985	24
16017 to 16027	10	17147	24	28300 to 28400	26
16028 to 16029	11	17185 to 17191	24	29000 to 29210	8
16030	10	17211 to 17220	25	31100 to 31496	4
16031	11	17231 to 17232	24	33001 to 33009	29
16104 to 16106	9	17331 to 17332	25	37100 to 38300	26
16107 to 16112	10	17447 to 17514	24	38901	29
16113 to 16116	11	17526 to 17530	25	41012 to 48958	28
16117 to 16127	10	17543 to 17560	24	49010 to 49038	30

50012 to 50200	.....29	66087 to 66093	.....27	69967	.....36
50241 to 50242	.....28	66186	.....26	69972	.....29
51100 to 51600	.....31	66188 to 66191	.....44	70604 to 73004	.....5
52034 to 52134	.....29	66255 to 66258	.....43	73250	.....29
53018 to 53200	.....31	66208 to 66249	.....42	74807 to 74811	.....5
54003 to 54100	.....31	66250 to 66259	.....43	75101 to 75105	.....20
54801 to 54814	.....4	66308 to 66319	.....42	75107 to 75111	.....17
55012 to 55038	.....29	66321 to 66336	.....27	75113 to 75117	.....16
55125 to 55200	.....29	66340 to 66349	.....42	75119 to 75129	.....17
57005 to 57185	.....26	66350 to 66354	.....43	75131 to 75143	.....18
57558	.....28	66886	.....26	75145 to 75153	.....19
58005 to 58105	.....26	67005 to 67119	.....26	75171 to 75181	.....17
59010 to 59038	.....30	67122 to 67899	.....49	75155 to 75159	.....21
61640 to 62147	.....50	67987 to 67993	.....33	75183 to 75187	.....19
62104 to 62132	.....44	68000 to 68082	.....33	75189 to 75195	.....20
62866	.....26	68089 to 68093	.....33	75201 to 75207	.....19
64009 to 64021	.....41	68102 to 68247	.....33	75209 to 75227	.....16
64025 to 64071	.....40	68401 to 68586	.....34	75229 to 75264	.....18
64074	.....41	68597 to 68653	.....33	75265 to 75275	.....19
64081 to 64084	.....44	68654 to 68703	.....35	75276 to 75278	.....20
64103 to 64131	.....43	68770 to 68983	.....33	75401	.....21
64700	.....45	69000 to 69003	.....26	75410 to 75417	.....20
65000 to 65001	.....40	69033 to 69039	.....36	75418 to 75419	.....21
65002 to 65009	.....39	69050 to 69053	.....30	75420 to 75423	.....20
65012	.....38	69083 to 69099	.....33	75425 to 75435	.....22
65013 to 65017	.....39	69128	.....35	75441 to 75453	.....21
65020 to 65075	.....38	69100 to 69103	.....26	75461 to 75466	.....17
65084	.....39	69220 to 69223	.....30	75471 to 75475	.....21
65100 to 65121	.....38	69250 to 69287	.....48	75481 to 75485	.....17
65130 to 65209	.....39	69329 to 69394	.....51	75487 to 75494	.....21
65210	.....38	69420 to 69423	.....30	77101 to 77105	.....20
65300	.....39	69492 to 69494	.....36	77107 to 77111	.....17
66000 to 6600142	69532 to 6955550	77113 to 7711716
66013 to 6607344	69758 to 6975936	77119 to 7712917
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87171 to 87181	17	95728	37		
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A Quick Guide to

Thermafix®

Heat Shrink Products

Product	Shrink Ratio	Sizes	Adhesive Lined	Temperature Range	Agency Approval	Colors	RoHS Compliant	Rigidity
Thermafix® Single Wall Polyolefin Tubing	2:1	3/64" to 4"	No	-30°C to 125°C -22°F to 257°F	CSA (LR31929) MIL-I-23053/5 UL (E35586) (Class 1)	Black, White, Red, Yellow, Blue, Green, Orange, Violet, Grey	Yes	Very flexible
Thermafix® Single Wall Polyolefin (Clear)	2:1	3/64" to 4"	No	- 55°C to 135°C - 67°F to 275°F	MIL-I-23053/5 (Class 2)	Clear	Yes	Flexible
Thermafix Plus™ Dual Wall Polyolefin Tubing	4:1	1/4" to 3/4"	Yes	- 40°C to 130°C - 40°F to 266°F	UL (E85381)	Black, Clear	Yes	Semi-rigid
Thermafix ST™ Heavy Wall Polyolefin Tubing	3:1	0.4" to 4"	As Required	- 55°C to 90°C - 67°F to 194°F	N/A	Black, Red	Yes	Rigid
Thermafix 3X™ Single Wall Polyolefin Tubing	3:1	1.6" to 1.5"	No	- 30°C to 125°C - 22°F to 257°F	CSA (LR31929) MIL-I-23053/5 (Class 1) UL (E35586)	Black, White	Yes	Very flexible
Thermafix DWPT™ Dual Wall Polyolefin Tubing	3:1	1/8" to 1.5"	Yes	- 40°C to 110°C - 40°F to 230°F	UL (E35586) CSA (LR31929)	Black, White, Red, Yellow, Blue, Green	Yes	Flexible
Thermafix DC™ Dual Color Polyolefin Tubing	2:1	1/8" to 1"	No	- 55°C to 135°C - 67°F to 275°F	CSA (LR31929) UL (E35586)	Yellow/Green (Dual Color)	Yes	Flexible
Thermafix Kynar® Polyvinylidene Fluoride Tubing	2:1	1/16" to 3/4"	No	- 55°C to 175°C - 67°F to 347°F	CSA (LR31929) UL (E35586 VW-1) MIL-I-23053/8	Clear	Yes	Semi-rigid
Thermafix Crimp™ Shrinkable Nylon Terminals and Splices	as per specified wire gauge	10 to 22 AWG	Yes	- 55°C to 125°C - 67°F to 257°F (E87681)	UL C-UL	Red, Blue, Yellow	Yes	Rigid
Thermafix SolderSplice™ Shrinkable Polyolefin Wire-to- wire Splices with Solder wire gauge	as per specified	10 to 24 AWG	Partial	- 30°C to 125°C - 22°F to 257°F	UL (E87681)	Red, Blue, Yellow, Grey	No	Semi-rigid

General Installation Instructions for **Thermafix®** Heat Shrink Products

Always select the largest size of tubing that will still fit snugly after shrinking, according to the shrink ratio of the product being used (e.g., for 2:1 products select approximately twice the diameter). Cut tubing to the exact length required (i.e., no shrinkage in length) with a clean, square cut to avoid splitting.

Position tubing over object and heat evenly until tubing shrinks into place or will shrink no further. Products containing pre-installed adhesive may need extra heat to melt and flow the adhesive for proper application.

Keep the heat source or product moving, so the heat is not concentrated in one spot. Keep the heat source at least one inch away from tubing, using a low-intensity heat source such as a hot air gun, oven, infrared heat source, or soft (yellow) flame.

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