

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	5:1	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 DWP™ 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 ST-HR™	6:1	3/4" to 4.70"	Yes	- 55°C to 90°C - 67°F to 194°F	UL 486D	Black,	Yes	Rigid
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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