

A Quick Guide to



Heat Shrink Products

Product	Shrink Ratio	Sizes	Adhesive lined	Temp. Range	Agency Approval	Color	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 (Class 1) UL (E35586)	Black, White, Red, Yellow, Blue, Green	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	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	Semi-rigid
Thermafix ST™ Heavy Wall Polyolefin Tubing	3:1	0.4" to 3"	As Required	-55°C to 90°C -67°F to 194°F	UL(E15664)	Black, Red	Rigid
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	Flexible
Thermafix 3X™ Single Wall Polyolefin Tubing	3:1	3/16" 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	Very 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	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	UL C-UL (E87681)	Red, Blue, Yellow	Rigid
Thermafix SolderSplice™ Shrinkable Polyolefin Wire-to- wire Splices with Solder	as per specified wire gauge	10 to 22 AWG	Partial	-30°C to 125°C -22°F to 257°F	UL (E87681)	Red, Blue, Yellow	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. Do not concentrate the heat in one spot. Keep the heat source at least one inch away from tubing. Use a low-intensity heat source such as a hot air gun, oven, infrared heat source, or soft (yellow) flame.