



# SERIES 77 Heat Shrink Transitions



## Shrink Boot Selection and Reference Guide

### Heat Shrinkable Transitions



- *Eight material options*
- *Four adhesive options*
- *With or without potting ports or drain holes*
- *Non-adhesive lined boots (For use with Type U two-part epoxy):*

Glenair Series 77 heat shrinkable transitions provide cable designers with complete flexibility and versatility in cable routing and harness design. Available in both low-profile as well as widebody version (for larger cable diameters), these environmental transitions reduce cable assembly time and provide turnkey sealing and routing in multi-legged harnesses. Available in eight material types, including Viton® for continuous exposure to caustic chemicals and fuels, as well as our popular Type 1 high-performance elastomer for extreme temperatures, excellent resistance to fuels and oils, and the option of choosing from ten available colors.

#### Recommended Material Selection

**Type 1** high performance, semi-rigid elastomer for extreme temperatures and excellent resistance to fuels and oils and rated for 3000 hours continuous operation at +150°C. Material meets requirements of VG95343 Type 6, BSG 198-5-DE, EN62329-102 and SAE AS5258 Type H.

**Type 2** semi-flexible low smoke zero halogen (LSZH) flame-retarded polyolefin meets low smoke and toxicity requirements of shipboard, transit and aircraft systems and rated for 3000 hours continuous operation at +130° C. Temperature rating -40° C to +130°C

**Type 3** self extinguishing, flexible polyolefin boots meet SAE AS8176581 Type II requirements and offers good resistance to oils and fuels. Good all around general duty shrink boot solution. Temperature rating of -55° C to +135°C.

**Type 5** flexible Viton® Fluoroelastomer boot for extreme temperatures where excellent resistance to fuels, fluids, solvents is needed. Temperature rating of -55° C to +150°C. Material meets the requirements of SC-X15111D.

**Type 6** high performance, flexible elastomer alloy are well suited for high temperatures within areas prone to oil and fluid exposure. Temperature rating of -55° to +135°C.

**Type 7** highly flexible polyolefin boots are well suited for high temperatures within areas prone to oil and fluid exposure. Temperature rating of -55° to +135°C.

**Type 8** semi-rigid, low outgassing fluoropolymer alloy meets NASA low out-gassing test requirements and are suitable for high altitude and space applications. Excellent resistance to oils, fuels, solvents, acids and bases. Broad operating temperature of -50° C to +150° C provides excellent high temperature stability and low temperature flexibility for extreme temperatures.

**Type 9** low temp application, flexible polyolefin for Ethernet and USB cables susceptible to heat damage from the application of boots with higher minimum shrink temperatures. Resistance to oils, fuels, solvents, acids and bases is fair. Temperature rating of -40° to +100°C.



Part Number
779-001



Part Number
779-002



Part Number	Package Size
779-003	12

See Section G for complete installation guide

F



SERIES 77  
Heat Shrink Transitions



Shrink Boot Selection and Reference Guide

*Glenair® transitions provide protection and cable routing advantages for wire assemblies.*



Angled "Tee" Transition



Low-Profile "Wye"



Widebody "Wye"



Low-Profile "Tee"



Widebody "Tee"



Low-Profile 1:3



Widebody 1:3



Widebody 1:4

- Versatile Cable/Wire Routing
- 8 Material Types
- Ten Colors Available in the Type 1 High Performance Elastomer Material
- Adhesive and Non-Adhesive Versions



"Wye" and "Tee" Transitions for Every Cable Routing Requirement

Pre-Coated Boots Adhesive Information

Attribute	W1 High Performance Adhesive	W2 Low Temp Adhesive	W3 TACOM Approved Adhesive	R High Performance Epoxy Adhesive	779-001 Two Part Epoxy Adhesive
Boot Material Compatibility	Types 1, 2, 5, 6 and 7	Types 1, 2, 3, 7 and 9	Types 5 and 6	Type 1, 2 and 5	All Material Types
Continuous Operating Temp.	-55° to +125°C	-55° to +70°C	-55° to +125°C	-75° to +150°C	-75° to +150°C
Resistance to Fuels, Oils, and Fluids	Good	Good	Good	Excellent	Excellent
Low Toxicity, Zero Halogen	Yes	Yes	No	Yes	Yes