

Shrink-N-Repair® (ES-HT) Tubing with Water Blocking

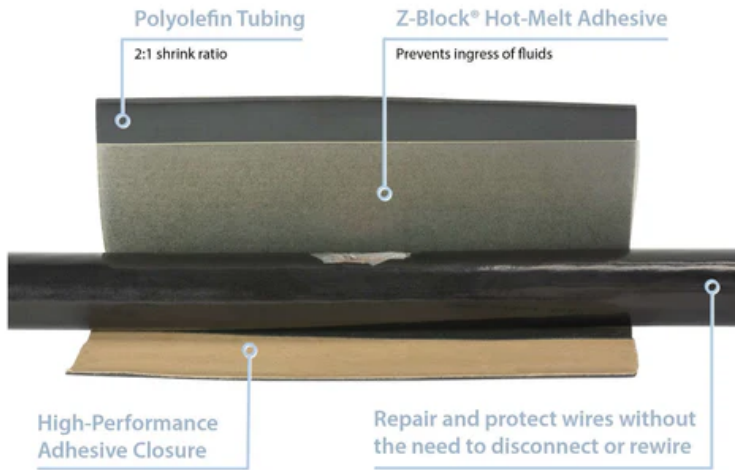
A wrap-around heat shrink paired with water blocking adhesive for repairing wires or cable diameters up to 1.0".

Drawing Number(s): ZT25-04-006

Selected Part Number: ZT25-04-006-11-B-X12.0

Wrap-around heat shrink paired with water blocking adhesive provides superior protection for wires and cables. Long-lasting and environmentally durable seal holds up against fluids, oils, greases, mild acids and alkalis. Installation requires no disconnection or downtime.

SHRINK-N-REPAIR®



FEATURES

- Water blocking adhesive provides a secure, environmental seal
- No disconnection or re-wiring of components needed
- Operational temperature range of -67°F to 275°F (-55°C to 135°C)

BENEFITS

- Resistant to most oils, fluids, mild acids, and alkalis
- Quick and easy installation with only a heat gun and a standard pair of scissors
- Can be cut to any desired length

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Specifications subject to change without notice. All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy or completeness is not guaranteed under all circumstances. Before using Zippertubing® products, the user shall determine suitability for the intended use, and user assumes all responsibility for improper selection. Published attenuation values of Zippertubing® shielding have been verified by laboratory testing of the respective shielding materials. Actual installed attenuation values may differ due to installation techniques and final assembly operation parameters which are beyond the control of Zippertubing®. Actual attenuation values can only be determined by the end user testing the completed assembly. U.S. and International Patents and patents pending. © 20262026 The Zippertubing® Company, Chandler, Arizona.

Overall Performance

Closure:	Tape (Specialty Surface)	RoHS:	RoHS-10
Material:	Polyolefin	Shelf-Life:	24 months
Maximum Operating Temperature:	275°F (135°C)	Water Blocking Type:	Polyamide Hot Melt (135)'
Minimum Operating Temperature:	-67°F (-55°C)	REACH:	Compliant

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MATERIAL SPECIFICATIONS

Polyolefin

Mil-Spec:	SAE-AMS-DTL-23053/5
REACH:	Compliant
Dielectric Strength:	500 volt/mil
Elongation:	200% (after shrink)
Flammability:	UL224, VW-1, Self-extinguishing
Fungicide:	No Growth
Longitudinal Shrinkage:	+/-5% (after heat recovery)
Material:	Cross-linked Polyolefin
Typical Recovered Wall Thickness:	0.035" - 0.055"
Maximum Operating Temperature:	275°F (135°C)
Minimum Operating Temperature:	-67°F (-55°C)
RoHS:	RoHS-10
Shelf Life:	60 Months
Shrink Ratio:	2:1, 3:1 or 4:1
Tensile Strength:	1500 psi. (after shrink)
Specific Gravity:	1.35
Outgassing (%TML):	Min 0.2 Max 0.93%
Outgassing (%CVCM):	Min 0.02 Max 0.13%
Outgassing (%WVR):	Min 0.01 Max 0.16%

Tape (Specialty Surface)

Shear Strength:	>200 grams @ +400°F (1/2" overlap) (204°C)
REACH:	Compliant
Release Liner:	0.0065" Polycoated Paper Liner, 86#
Material:	Acrylic
Color:	Clear
Thickness:	0.005"
Maximum Operating Temperature:	200°F (93°C)
Minimum Operating Temperature:	-40°F (-40°C)
RoHS:	RoHS-10
Shelf Life:	12 months, unbonded
Adhesion:	140 oz-in. (to steel) 136 oz-in. (to Polypropylene)

MATERIAL SPECIFICATIONS

Polyamide Hot Melt (135)

REACH:	Compliant
Abrasion Resistance:	Best
Elongation:	350%
Flexibility:	Good
Material:	Polyamide Polymer
Thickness:	0.008"
Maximum Operating Temperature:	275°F (135°C)
Minimum Operating Temperature:	-67°F (-55°C)
Water Absorption:	0.5% maximum
RoHS:	RoHS-10
Shelf Life:	60 Months
Softening Temp:	284°F (140°C)
Softening Temp Variance:	+/- 9°F (-13°C)