

**Introducing**  
**QSW (Quick Shrink Wrap)**  
**Adhesive-Lined Polyolefin Wraparound**  
**Repair Sleeve**

# QSW (Quick Shrink Wrap) Adhesive-Lined Polyolefin Wraparound Repair Sleeve

## KEY FEATURES

- Combines the ease of installation of self-adhesive tapes with the superior sealing and insulation capabilities of heat-shrinkable tubing
- Wraparound sleeves provide a quick and permanent method for repairing and sealing minor damage to cable insulation without de-pinning a connector
- Useful for organizing and grouping wire bundles and cables
- Adhesive lining provides excellent bonding and sealing to most common insulation materials such as crosslinked polyethylene, polyethylene, ethylene propylene rubber and PVC as well as to metals including copper and steel
- Installs quickly and easily using a small propane torch, high output heat gun or production oven

## DESCRIPTION

Adhesive-lined Polyolefin Wraparound Repair Sleeve

Available in two widths and several lengths to cover a wide range of applications

## APPLICATIONS

Rail and Mass Transit

Automotive and Truck

Industrial Machinery

Commercial and Military Harnesses

## TEMPERATURE RATING

Minimum shrink temperature: 70°C [158°F]

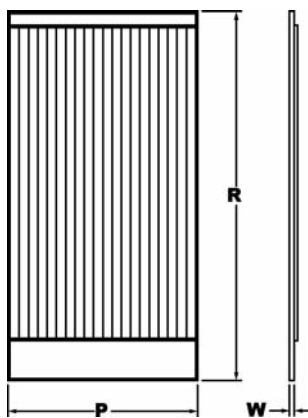
Minimum full recovery temperature: 130°C [266°F]

Continuous operating temperature: -45°C to 110°C [-49°F to 230°F]

## SPECIFICATIONS

QSW Specification Control Drawing

## PRODUCT DIMENSIONS



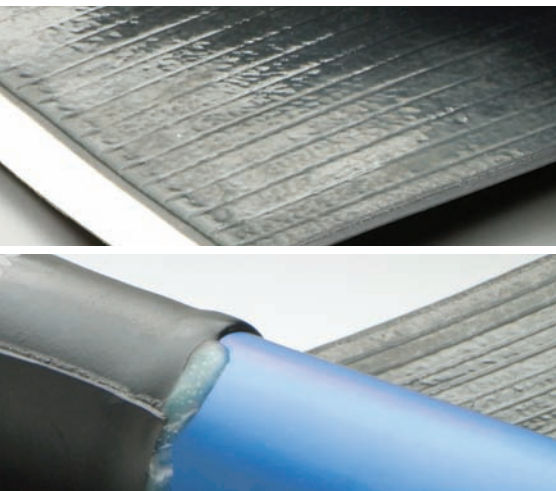
### Notes:

1. Dimensions mm (in.)
2. Dimension **R** = length of sheet (shrinks approximately 10%)
3. Dimension **P** = width of the sheet
4. Dimension **W** = wall thickness .65mm (.025)

Product Description	Substrate Diameter Range	P +1 (.04) -0	R ±6 (.24)
QSW 60-100	10 (0.4) – 20 (0.8)	60 (2.4)	100 (4.0)
QSW-60-200	20 (0.8) – 50 (2.0)	60 (2.4)	200 (7.9)
QSW-60-300	40 (1.6) – 75 (3.0)	60 (2.4)	300 (11.8)
QSW-60-400	50 (2.0) – 100 (4.0)	60 (2.4)	400 (15.7)
QSW-100-100	10 (0.4) – 20 (0.8)	100 (4.0)	100 (4.0)
QSW-100-200	20 (0.8) – 50 (2.0)	100 (4.0)	200 (7.9)
QSW-100-300	40 (1.6) – 75 (3.0)	100 (4.0)	300 (11.8)

# QSW (Quick Shrink Wrap) Adhesive-Lined Polyolefin Wraparound Repair Sleeve

## PROPERTIES



Property	Unit	Requirement	Test Method
Tensile Strength	psi (MPa)	2466 (17) minimum	ASTM D412
Ultimate Elongation	Percent	350 minimum	ASTM D412
Specific Gravity	—	1.05 maximum	ASTM D792
Hardness	Shore D	40-50	ASTM D2240
Accelerated Aging, 168 hrs @ 150 ± 2°C (302 ± 4°F) followed by tests for:			ASTM D2671
Tensile Strength	psi (MPa)	1740 (12) minimum	ASTM D412
Ultimate Elongation	Percent	200 minimum	ASTM D412
Low Temperature Flexibility 4 hrs @ 40 ± 3°C (-40 ± 5°F)	—	No cracking	ASTM D2671 Procedure C
Dielectric Strength	V/mil (kV/cm)	500 (200) minimum	ASTM D2671
Volume Resistivity	ohm-cm	1 x 10 <sup>22</sup> minimum	ASTM D2671
Water Absorption, 168 hrs @ 23 ± 2°C (73 ± 4°F)	Percent	0.2 maximum	ASTM D2671
Fluid Resistance 24 hrs @ 23 ± 2°C (73 ± 4°F) in: Hydraulic Fluid (MIL-H-5606) JP-8 (MIL-T-5624) Lubricating Oil (MIL-L-7808) Lubricating Oil (MIL-L-23699) 5 percent NaCl (A-A-694) Deicing Fluid (MIL-A-8243) Skydrol 500			AMS-DTL-23053/5
Followed by tests for:			
Tensile Strength	psi (MPa)	1000 (6.9) minimum	ASTM D2671
Dielectric Strength	V/mil (kV/mm)	400 (15.8) minimum	ASTM D2671
Weathering	The material from which QSW is manufactured contains carbon black to protect it from ultraviolet radiation.		

## ORDERING INFORMATION

<b>Color</b>	Black
<b>Size selection</b>	Order the size that will recover tightly on the substrate diameter and extend beyond each side of the damaged area by at least 1" (25mm)
<b>Packaging</b>	In pieces
<b>Description</b>	Specify product name, width, and length (for example, QSW-60-100)

## FOR MORE INFORMATION

### Technical Support

Internet:	<a href="http://www.tycoelectronics.com">www.tycoelectronics.com</a>
E-mail:	<a href="mailto:newproducts@tycoelectronics.com">newproducts@tycoelectronics.com</a>
USA:	1-800-522-6752
Canada:	1-905-470-4425
Mexico:	1-800-733-8926
C. America:	52-55-1106-0803
South America:	55-11-2103-6000
Hong Kong:	852-2735-1628
Japan:	81-44-844-8013
UK:	44-8706-080208

**Tyco Electronics Corporation**  
Harrisburg, PA

**[tycoelectronics.com](http://tycoelectronics.com)**

Copyright 2008 By Tyco Electronics Corporation  
8-1773449-3 - 5m -MS/FP - 3/2008  
TE Logo and Tyco Electronics are trademarks.

 **Tyco Electronics**  
Our commitment. Your advantage.