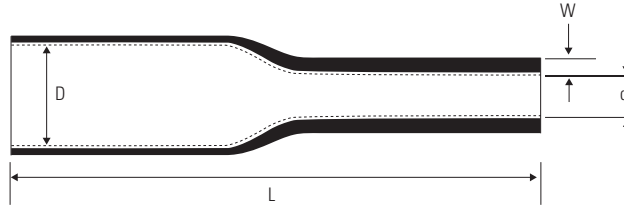


Clear, dual-wall, moisture proof, heat-shrinkable tubing to protect electrical splices



Ordering information

Inside diameter		Wall thickness		Length
D (min)	d (max)	W (nom)		L (nom)
Expanded as supplied	Recovered after heating	Total wall Recovered after heating	Recovered after heating	
mm	mm	mm	mm	Ordering description
5.7	1.27	1.5	50.0	RBK-VWS-125-NR1-X
8.0	1.65	1.8	50.0	RBK-VWS-125-NR2-X
10.8	2.40	2.2	65.0	RBK-VWS-125-NR3-X
17.78	4.45	2.41	75.0	RBK-VWS-125-NR4-X

Refer to the Installation Guidelines document before selecting size. (PIP-004)

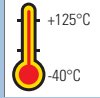
The wall thickness of the tubing will be less than specified if recovery is restricted during shrinkage.

Standard colours	Colour	Clear
	Code	X

Installation The product may be installed using a Raychem RBK-ILS Processor or other recommended application equipment. Consult your local Tyco Electronics office for more information

Performance	Longitudinal change:	0 to -10%
	Strain relief:	Insulation resistance does not drop below 2×10^8 ohms (min) after sample loaded to 50 N at 100 mm/min.
Heat ageing:	No cracking of jacket at 125°C after 3000 h Insulation resistance 2×10^8 ohms (min)	
Split resistance:	No splitting at +200°C	
Sequential:	The product must pass insulation resistance test 2×10^8 ohms (min) after each of the following tests:	
Cold impact:	No cracking of jacket at -40°C for 4 h (ISO 6722)	
Accelerated ageing:	+130°C for 168 h	
Thermal shock:	5 cycles of +130°C for 1 h followed by immersion in saline solution at 0 to +5°C for 30 mins.	
Temperature/humidity cycling:	5 cycles of +40°C for 12 h at 95% R.H. -40°C for 4 h +40°C for 3 h at 95% R.H. +23°C for 5 h	
Mechanical vibration:	IEC 68-2-6 (BS 2011)	
Flex test:	180° flex with differing loads for each sleeve size, (SEFT 527)	
Fluid soak:	Samples soaked for 30 mins at 100°C in: Engine oil ISO 1817 No 1 Automatic transmission fluid Dexron™ 2	
Fluid splash:	Sample immersed in each of the following fluids for 10 s at 30 min intervals for 24 hrs: Diesel fuel ISO 1817 Liquid F Brake fluid Dot 4 Gunk degreaser Fluid C ISO 1817, 1985 Fuel 3 ISO 1817, 1985 Car wash detergent 1% Teepol/water by volume Battery acid BS 3031 (1.25 SG) Anti-freeze 50/50 v/v	

All tests conducted are specified in Raychem Specification RK 6640



• **Excellent environmental seal**



• **Mechanical protection against flexing, abrasion and cut-through**



• **Small cross-sectional profile**

• **Temperature rated to 125°C continuous**

RBK-VWS-125 is a dual-wall, heat-shrinkable tubing designed to provide environmental sealing of an electrical splice in an automotive environment. Moisture may enter a splice directly or indirectly via capillary action between individual wires, thus causing corrosion. This effect is accelerated by variations in temperature. The tubing is centred over the splice area and during heating the adhesive melts and is 'squeezed' around where the wires are crimped or welded and between the conductors by the shrinking action of the sleeve. The installed product provides low profile mechanical protection against flexing, abrasion and cut-through as well as electrical insulation. There are four sizes to cover the range of splice profiles.

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