

Sealing and Protection for Wire Bundles, Connectors, Terminals and Splices



**RayBlock 85 Sealing Kit**  
Easy-to-install grommet  
and wire bundle sealing  
for up to 20 wires.



**RayBlock 85 Sealing Kit**

Designed to provide consistent sealing for cable bundles and the back of connectors. The wires in the bundle are placed within the channels of a specially formulated hot-melt adhesive profile, and then covered by dual wall, heat-shrinkable tubing with a flame-retardant radiation-crosslinked outer wall and hot-melt-adhesive inner wall.

When the tubing is heated, the hot-melt adhesive melts and the tubing shrinks, forcing the molten adhesive to fill all the voids within the wire bundle and tubing. The result is a solid plug of adhesive molded around each wire in the bundle, creating a moisture-resistant seal.

**Benefits**

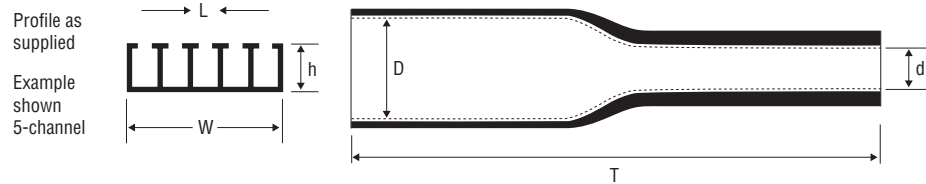
- Excellent resistance to all common solvents and acids
- Outstanding vibration resistance
- Excellent electrical insulation
- RoHS/ELV compliant

Heat-Shrinkable Water Blocking Systems for Cable Bundles and Multi-Wire Electrical Connectors

**Product Features**

**RayBlock 85 Sealing Kit**

- Continuous operating temperature from -40°C up to +85°C
- Minimum shrink temperature: 80°C
- Minimum full recovery temperature: 110°C
- Flame retarded (ATUM tubing only)
- 4:1 shrink ratio



**Product Dimensions**

Profile	Tubing						Ordering Description	
	Number of Channels	h Outside height (nom) mm	L Length (nom) mm	W Width (nom) mm	D (min) Expanded as Supplied mm	d (max) Recovered after Heating mm		T (nom) mm
	2	8.5	2.75	8.50	12.00	3.00	34.00	RBK-85 Kit 0102-AX
	3	8.5	2.75	12.25	16.00	4.00	33.00	RBK-85 Kit 0103-AX
	4	8.5	2.75	16.00	16.00	4.00	44.00	RBK-85 Kit 0104-AX
	5	8.5	2.75	21.00	24.00	6.00	34.00	RBK-85 Kit 0105-AX
	5	8.5	2.75	21.00	24.00	6.00	23.00	RBK-85 Kit 0305-AX
	7	8.5	2.75	27.25	24.00	6.00	65.00	RBK-85 Kit 0107-AO
	7	8.5	2.75	27.25	24.00	6.00	23.00	RBK-85 Kit 0607-AX
	8	8.5	2.75	31.00	24.00	6.00	47.00	RBK-85 Kit 0208-AX
	10	8.5	2.75	38.50	32.00	8.00	55.00	RBK-85 Kit 0510-AO

The selection table is intended for guidance only and individual bundles may well differ in requirement. Special designs may be possible on request to cater for large wires or larger cable bundles. Please contact TE Automotive for further information.

TE Automotive offers a variety of heating tools for the installation of RayBlock 85. The range includes hot-air blowers, infra-red heaters and special automatic heating devices.

**Ordering Information**

<b>Standard Colours</b>	Black (0)	Clear (X)
<b>Size Selection</b>	Maximum two wires per channel, for wires with maximum outside diameter 2.8 mm. For wires with an outside diameter greater than 2.8 mm, please consult TE Automotive. Standard Packaging: 1000 pcs of profile plus 1000 pcs of tubing per box.	
<b>Ordering Description</b>	Specify product name, size and colour (for example RBK-85-Kit-0102-AX)	
<b>Specifications/Approvals</b>	<b>Series</b>	<b>TE</b>
	RayBlock 85 Sealing Kit	RW-2101

