



RAYBLOCK HEAT SHRINK SEALING KITS

TE Connectivity's (TE) RayBlock heat shrink sealing kits are designed to provide consistent sealing for cable bundles and the back of connectors or grommets. 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.

KEY FEATURES

- Environmentally seals wire bundles of up to 20 wires
- Withstands temperature excursions to 120°C (248°F)
- Provides excellent strain relief and reduces noise
- Offers a low-profile installed product only marginally larger than the cable bundle itself
- RoHS compliant

APPLICATIONS

Designed to provide consistent sealing for cable bundles and the back of connectors. The wires are placed within the channels of a specially formulated hot-melt adhesive profile, 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.

RayBlock 85

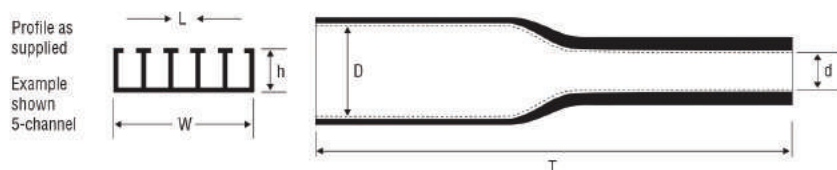
TEMPERATURE RATING

- Minimum shrink temperature: 80°C (176°F)
- Minimum full recovery temperature: 110°C (230°F)
- Operating temperature range: -40°C to 85°C (-40°F to 185°F)

STANDARDS AND SPECIFICATIONS

- RayBlock 85
- RW-2101

PRODUCT DIMENSIONS



Part No.	No. of Channels	PROFILE				TUBING INSIDE DIAMETER		
		Outside Height "h"	Length "L"	Width "W"	Nominal Cut Length	Minimum Expanded as Supplied "D"	Maximum Recovered After Heating "d"	Nominal Cut Length "T"
RBK-85-KIT-0102-A0	2	8.5 (0.335)	2.75 (0.108)	8.50 (0.335)	8.0 (0.315)	12.0 (0.472)	3.0 (0.118)	40 (1.57)
RBK-85-KIT-0203-A0	3	8.5 (0.335)	2.75 (0.108)	12.25 (0.482)	8.0 (0.315)	24.0 (0.945)	6.0 (0.236)	47 (1.85)
RBK-85-KIT-0504-A0	4	8.5 (0.335)	2.75 (0.108)	16.00 (0.630)	8.0 (0.315)	16.0 (0.630)	4.0 (0.158)	40 (1.57)
RBK-85-KIT-0405-A0	5	8.5 (0.335)	2.75 (0.108)	19.75 (0.778)	8.0 (0.315)	24.0 (0.945)	6.0 (0.236)	45 (1.77)
RBK-85-KIT-0107-A0	7	8.5 (0.335)	2.75 (0.108)	27.20 (1.070)	8.0 (0.315)	24.0 (0.945)	6.0 (0.236)	65 (2.56)
RBK-85-KIT-0510-A0	10	8.5 (0.335)	2.75 (0.108)	38.50 (1.520)	12.0 (0.472)	32.0 (1.260)	8.0 (0.315)	55 (2.17)

ORDERING INFORMATION

- Color: Standard Black (-0)
- Standard Packaging: One kit (contains 1000 pcs. of profile and 1000 pcs. of tubing)
- Size Selection: For wire with an outside diameter smaller than 2.8 (0.110), use a maximum of two wires per channel. For wire with an outside diameter of 2.8–3.5 (0.110 to 0.138), use a maximum of one wire per channel. Special order sizes are available upon request.

RayBlock 105

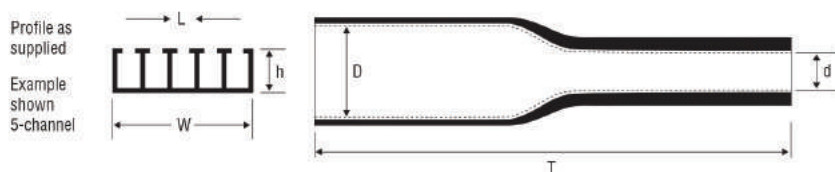
TEMPERATURE RATING

- Minimum shrink temperature: 80°C (176°F)
- Minimum full recovery temperature: 110°C (230°F)
- Operating temperature range: -40°C to 105°C (-40°F to 221°F)

STANDARDS AND SPECIFICATIONS

- RayBlock 105
- RW-2102

PRODUCT DIMENSIONS



Part No.	No. of Channels	PROFILE				TUBING INSIDE DIAMETER		
		Outside Height "h"	Length "L"	Width "W"	Nominal Cut Length	Minimum Expanded as Supplied "D"	Maximum Recovered After Heating "d"	Nominal Cut Length "T"
RBK-105-KIT-0102-A0	2	8.5 (0.335)	2.75 (0.108)	8.50 (0.335)	8.0 (0.315)	12.0 (0.472)	3.0 (0.118)	40 (1.57)
RBK-105-KIT-0103-A0	3	8.5 (0.335)	2.75 (0.108)	12.25 (0.482)	8.0 (0.315)	16.0 (0.630)	4.0 (0.158)	40 (1.57)
RBK-105-KIT-0504-A0	4	8.5 (0.335)	2.75 (0.108)	16.00 (0.630)	8.0 (0.315)	16.0 (0.630)	4.0 (0.158)	45 (1.77)
RBK-105-KIT-0105-A0	5	8.5 (0.335)	2.75 (0.108)	19.75 (0.778)	8.0 (0.315)	24.0 (0.945)	6.0 (0.236)	45 (1.77)
RBK-105-KIT-0107-A0	7	8.5 (0.335)	2.75 (0.108)	27.20 (1.070)	8.0 (0.315)	24.0 (0.945)	6.0 (0.236)	65 (2.56)
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Quick Reference Guide

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