

RayBlock 85

Heat-shrinkable water-blocking system

Fax-on-Demand: (800) 260-9099
(650) 361-6523

FAX ID Description
2570 Data sheet

Before ordering check with
factory for most current data.



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.

Operating Temperature Range

-40°C to 85°C

Features/Benefits

- Environmentally seals wire bundles of up to 20 wires.
- Withstands temperature excursions to 105°C.
- Provides excellent strain relief and reduces noise.
- Offers a low-profile installed product only marginally larger than the cable bundle itself.

Installation

Minimum shrink temperature: 80°C

Minimum full recovery temperature: 110°C

Specifications/Approvals

Series	Raychem
RayBlock 85	RayBlock 85 SCD RW-2101

Product Dimensions (mm/in)

Part number	No. of channels	Profile		Width	Tubing		Length
		Height	Length		Inside diameter	Length	
RayBlock 85 Kit 0102-A0	2	6.5 (.256)	2.75 (.108)	8.50 (.335)	Minimum expanded as supplied: 12.0 (.472)	Maximum recovered after heating: 3.0 (.118)	40 (1.57)
RayBlock 85 Kit 0203-A0	3	6.5 (.256)	2.75 (.108)	12.25 (.482)	24.0 (.945)	6.0 (.236)	47 (1.85)
RayBlock 85 Kit 0504-A0	4	6.5 (.256)	2.75 (.108)	16.0 (.630)	16.0 (.630)	4.0 (.158)	40 (1.57)
RayBlock 85 Kit 0405-A0	5	6.5 (.256)	2.75 (.108)	19.75 (.778)	24.0 (.945)	6.0 (.236)	45 (1.77)
RayBlock 85 Kit 0107-A0	7	6.5 (.256)	2.75 (.108)	27.25 (1.07)	24.0 (.945)	6.0 (.236)	65 (2.56)
RayBlock 85 Kit 0510-A0	10	6.5 (.256)	2.75 (.108)	38.50 (1.52)	32.0 (1.26)	8.0 (.315)	55 (2.17)

Ordering Information

Color	Standard Black (-0)
Size selection	For wire with an outside diameter smaller than 2.8 mm (.110 inch), use a maximum of two wires per channel. For wire with an outside diameter of 2.8–3.5 mm (.110 inch to .138 inch), use a maximum of one wire per channel.
Standard packaging	One kit (contains 1000 pcs. of profile and 1000 pcs. of tubing).

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