RayBlock 105

**Heat-Shrinkable
Water-Blocking System**

Product Facts

■ **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 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-resist-
ant seal.

Installation

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]

Specifications/Approvals

Series	Raychem
RayBlock 105	RayBlock 105 SCD RW-2102

Available in:	Americas	Europe	Asia Pacific
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RayBlock 105 (Continued)

Product Dimensions

Part No.	No. of Channels	Profile			Tubing Inside Diameter		
		Outside Height	Length	Width	Minimum Expanded as Supplied	Maximum Recovered After Heating	Nominal Length
RayBlock 105 Kit 0102-A0	2	8.5 [0.335]	2.75 [0.108]	8.50 [0.335]	12.0 [0.472]	3.0 [0.118]	40 [1.57]
RayBlock 105 Kit 0103-A0	3	8.5 [0.335]	2.75 [0.108]	12.25 [0.482]	16.0 [0.630]	4.0 [0.158]	40 [1.57]
RayBlock 105 Kit 0504-A0	4	8.5 [0.335]	2.75 [0.108]	16.00 [0.630]	16.0 [0.630]	4.0 [0.158]	45 [1.77]
RayBlock 105 Kit 0105-A0	5	8.5 [0.335]	2.75 [0.108]	19.75 [0.778]	24.0 [0.945]	6.0 [0.236]	45 [1.77]
RayBlock 105 Kit 0107-A0	7	8.5 [0.335]	2.75 [0.108]	27.20 [1.070]	24.0 [0.945]	6.0 [0.236]	65 [2.56]
RayBlock 105 Kit 0110-A0	10	8.5 [0.335]	2.75 [0.108]	38.50 [1.520]	32.0 [1.260]	8.0 [0.315]	65 [2.56]

Ordering Information

Color	Standard Black (-0)
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 [0.110–0.138], use a maximum of one wire per channel.
	Special order sizes are available upon request.
Standard packaging	One kit (contains 1000 pcs. of profile and 1000 pcs. of tubing).