



RayOLOn Kits

Roll-on sealing sleeve



Applications

RayOLOn re-useable roll-on sealing sleeves are a family of products designed to protect connectors, electrical cable splices, and other cylindrical substrates from harsh environmental elements like salt spray and water moisture. RayOLOn sleeves are a part of Raychem's "heatless" sealing products that require no heat guns or torches. This is useful in the areas where the use of motorized heat sources or open flames are prohibited or undesirable.

RayOLOn sealing sleeves provide the sealing of the substrates by simply rolling the sleeve over the area to be protected. If the substrate requires servicing, the sleeve can be rolled off to provide access to the component under the sleeve. After the service is completed, the sleeve

can be rolled on the part again to provide the protection. This operation may be done many times throughout the life of the sleeve providing time and material cost savings.

Operating temperature range

-40°C to 70°C

Features and benefits

- A Raychem heatless sealing solution.
- Re-useable sealing solution.
- Roll-on to seal, roll-off to re-enter.
- Sealing with Raychem GelTek strip.*
- Protection of connectors and splices against corrosion.
- Available in many conveniently packaged kits.

Available in:	Americas	Europe	Asia Pacific
	■	■	■

Specifications and approvals

Raychem RW 3031

Temperature ratings

Continuous operating temperature range	-40°C to 70°C
Short term temperature exposure	-63°C to 90°C
Minimum installation	-25°C

Sleeve dimensions inches (millimeters)

Base part no.	Available kits	Dimensions (reference)		Recommended use range	Connection length
		Diameter	Lengths		
LNCL-11-125	GK	0.51 (13.0)	4.92 (125)	0.22-0.68 (6-17)	3.00 (75)
LNCL-11-205	GK	0.51 (13.0)	8.07 (205)	0.22-0.68 (6-17)	6.00 (150)
LNCL-12-140	GK, CK-N	0.56 (14.2)	5.51 (140)	0.48-0.90 (12-23)	4.00 (100)
LNCL-12-240	GK, CK-N	0.56 (14.2)	9.45 (240)	0.48-0.90 (12-23)	7.00 (175)
LNCL-13-155	GK, TK-8	0.75 (19.0)	6.10 (155)	0.69-1.20 (18-30)	4.00 (100)
LNCL-13-305	GK	0.75 (19.0)	12.00 (305)	0.69-1.20 (18-30)	9.00 (225)
LNCL-14-185	GK, TK-7	1.02 (25.9)	7.28 (185)	0.96-1.50 (25-38)	5.00 (125)
LNCL-14-355	GK	1.02 (25.9)	14.00 (355)	0.96-1.50 (25-38)	10.0 (250)
LNCL-15-185	GK, TK-1, TK-5, TK-6	1.45 (36.8)	7.28 (185)	1.40-2.00 (36-46)	5.00 (125)
LNCL-15-260	GK, SS	1.45 (36.8)	10.2 (260)	1.40-2.00 (36-46)	7.50 (190)
LNCL-15-450	GK, SS	1.45 (36.8)	17.72 (450)	1.40-2.00 (36-46)	12.0 (300)

Refer to Raychem specification control drawing LNCL-XX-125 thru LNCL-XX-450 for more details.

*Tyco Electronics Gel and Sealant product information available at www.tycoelectronics.com

Fax-on-demand

US only (800) 260-9099

Outside US (650) 257-2301

Visit our website at www.tycoelectronics.com

Typical RayOLOn roll-on sealing sleeve properties

	Property	Performance	Test method
Physical/	Tensile strength	8.3 MPa (1200 psi) minimum	ASTMD 2671
	Chemical	Ultimate elongation	100 % minimum
Chemical	Density	1.1 g/cm ³ maximum	ASTMD 792
	Water absorption	0.5 % maximum	ASTMD 570
	24 hours at 23° C (73° F)		
	Flammability	40 mm/min maximum	ASTMD 635
Electrical	Dielectric strength	90 kV/cm (225 V/mil) minimum	ASTMD 149
	Volume resistivity	1x10 ¹² Ω-cm	ASTMD 257

Refer to Raychem specification RW3031 for more requirements and performance information.

Notes:

1. The sleeve is not intended to be heated during the installation process.
2. DO NOT CUT LNCL roll-on sealing sleeve.
3. In case of a conflict between this data sheet and RW3031, RW3031 takes precedence.
4. Not recommended for extended exposure to hydrocarbon based fuel or fluids.

Part numbering system

LNCL - XX - XXX - XX - XX



Kits:

GK—General kit:	Roll-on sleeve, gel strip, cable tie, core tube, installation instruction
CK—Connector sealing kit:	Roll-on sleeve, cable tie, connector flange cover, gel strip, installation instruction
TK—Panel boot sealing kit:	Roll-on sleeve, ferrule, gel strip, cable tie, installation instruction
SS—Ship-or-shore kit:	Roll-on sleeve, connection shield, installation instruction

Note: Not all sizes and lengths are available for all kit combinations. Please refer to the table on the previous page.

Users should independently evaluate the suitability of the product for their application.
Before ordering check with factory for most current data.