

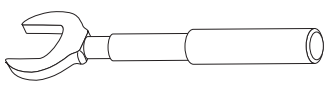
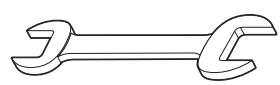
HELIAX® SureGuard V2.0 Weatherproofing System for 1/4", 3/8" and 1/2" SureFlex® Bird-Proofing Jumpers

For 7-16 DIN Male Connectors, 4.3-10 Male Connectors, 4.1-9.5 Mini-DIN Male Connectors to Female Antenna or Device Ports

U.S. Patent 9,216,530 and other patents pending

SureGuard Version 2.0 Weatherproofing boots are designed for installation on smooth cylindrical surfaces. Do not install boot on female device port machined flats or other irregular surfaces. Installation on such surfaces may compromise sealing effectiveness.

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Materials					Tools	
						
7-16 DIN Boot	4.3-10 Boot	4.3-10 Boot For E4415	7-16 DIN Cap	4.3-10 Cap	Torque Wrench	
					Open End Wrench	

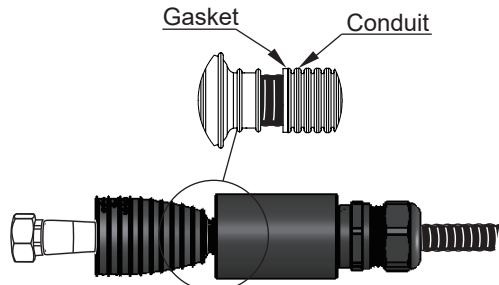
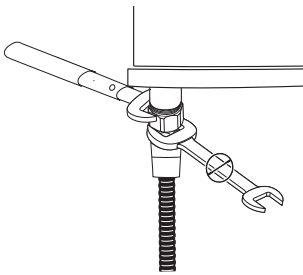
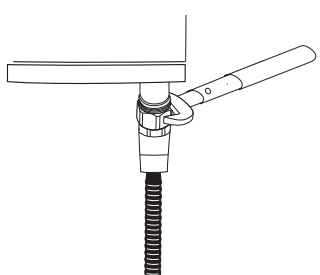
CABLE SIZE	CABLE TYPE	INTERFACE TYPE	DEVICE PORT DIAMETER
1/2 in	LDF4	7-16 DIN	19.30 - 26.50 mm (0.76 - 1.043 in)
1/2 in	FSJ4	7-16 DIN	19.30 - 26.50 mm (0.76 - 1.043 in)
1/2 in	LDF4	4.3-10 and 4.1-9.5 Mini-DIN	16.00 - 24.50 mm (0.630 - 0.965 in)
1/2 in	FSJ4	4.3-10	16.00 - 24.50 mm (0.630 - 0.965 in)
1/2 in	FSJ4	4.3-10	17.50 - 24.50 mm (0.689 - 0.965 in) (Just for Ericsson RRU 4415)
3/8 in	FSJ2	4.3-10	16.00 - 24.50 mm (0.630 - 0.965 in)
3/8 in	LDF2	4.3-10	16.00 - 24.50 mm (0.630 - 0.965 in)
1/4 in	FSJ1	4.3-10	16.00 - 24.50 mm (0.630 - 0.965 in)

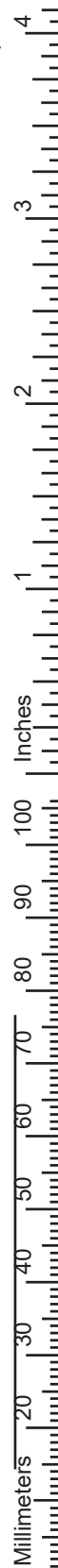


Scan for Installation video's

TOOL PART NUMBER	DESCRIPTION
TW-4310-SP	Torque wrench for coupling torque of 4.3-10 connectors, 22 mm opening
244377	Torque wrench for coupling torque of 7-16 DIN connectors, 1-1/4 in opening

Installation temperature range
-40 °C to +65 °C
(-40 °F to +149 °F)

1 Route and form the jumper assembly with HELIAX® SureGuard weatherproofing system installed prior to attaching the coupling nuts. 	2 Torque the connection using the appropriate wrenches or tool. 7-16 DIN male connector: 25-30 N•m (18-22 ft-lb) 4.3-10 male connector: 5-8 N•m (4-6 ft-lb) 4.1-9.5 male connector: 10-15 N•m (7-11 ft-lb)  (7-16 DIN)  4.3-10.0 4.1-9.5
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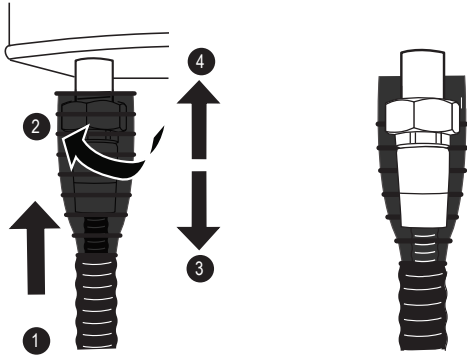
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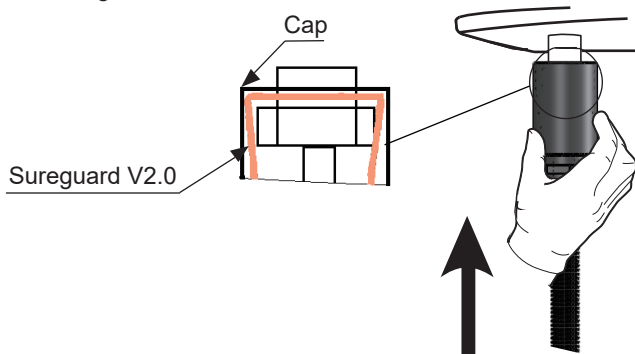
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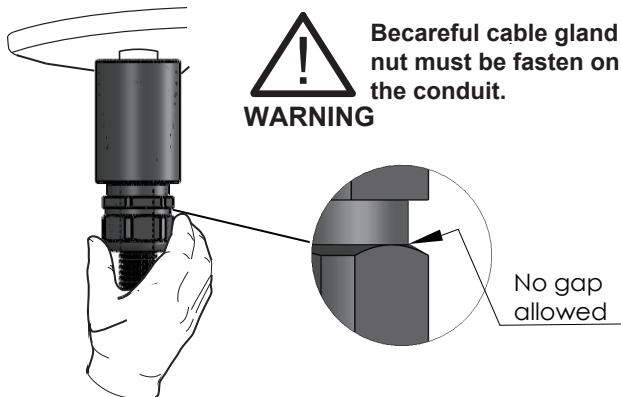
- 3** Push **1** and twist **2** the boot **counter-clockwise** over the male coupling nut. Pull down slightly **3** and push back up **4** to flatten the top of the boot. Boot **MUST** look like Properly Seated illustrations below.



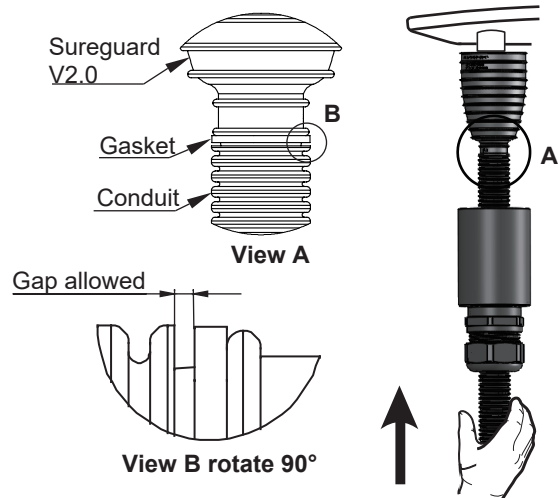
- 5** Push cap to cover sureguard V2.0 in, keep the cap as line as sureguard.



- 6** Screwed cable gland nut by hand as shown.



- 4** Pull back conduit with gasket through the picture direction shown stopped by sureguard V2.0. Make sure the gasket is seated well into the conduit.

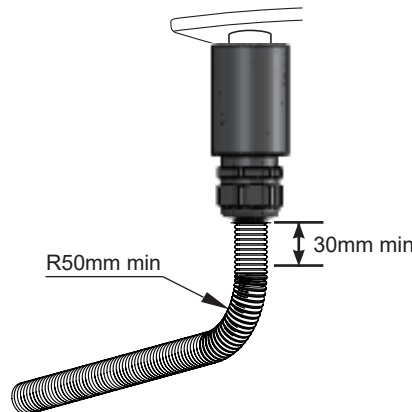


WARNING

Suregard V2.0 boot should not be pushed up over the square section of the connector.

Be careful only tighten the cable gland nut after all cable fastening and movement is completed.

- 7** Do not hold the connector and bend the cable directly behind it, start bend 30mm min away from the cap end as picture shown.



REWORK:

Pull back gasket along with conduit, then pull back sureguard V2.0

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