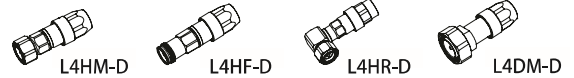


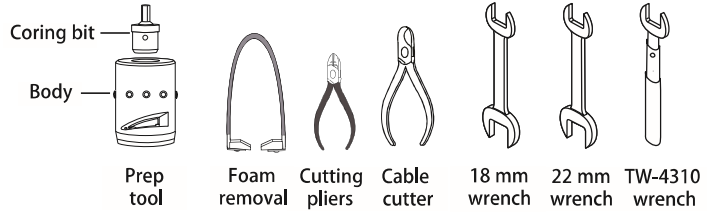
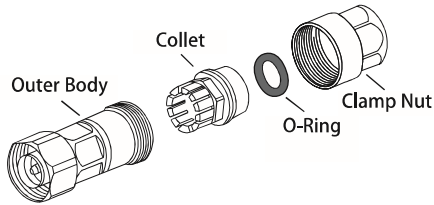
L4HM-D, L4HF-D, L4HR-D, L4DM-D Connector Installation for HELIAX® LDF4 Cables HL4RPV-50 and AL4RPV-50

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CommScope Infrastructure Academy offers installation training.



Scan For Installation Video



1 Straighten the cable and cut the end square using cable cutter.

6 in (152 mm)

90°

WARNING
Outer conductor edges will be sharp

2 Apply forward pressure until you feel the ball bearings land in a corrugation valley. Reverse tool to remove. End of the prep tool can be used as a guide.

0.075-0.10 in (1.90-2.54 mm)

0.61 in (15.50 mm)

1.20 in (30.48 mm)

DO NOT REMOVE FOAM FROM INNER

Prep tool CPT-L4-D required

Operating drill speed 250-650 rpm range

3 If all of the outer jacketing wasn't removed during initial cable prep remove at this time. Slide the clamping nut over the cable end. Install pre-lubricated o-ring in the 5th corrugation.

1 2 3 4 5

4 Push the collet back over the O-ring until it stops, then release it. Verify that the collet has located into the first corrugation. **DO NOT TWIST.** Clean off face of foam with alcohol wipe.

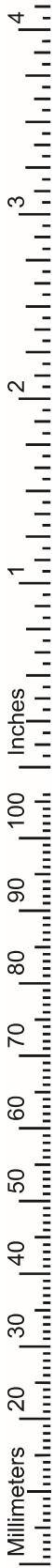
1 2 3 4

5 To achieve optimum Return Loss, pull outer body to remove coring bit from the tool. Place bit over inner conductor and push forward until bit contacts face of foam. **BEFORE** turning drill push **HARD** depressing foam. Maintaining force, turn drill at 1/4 trigger until tool bottoms out. Clean foam from coring bit and repeat, carefully remove any loose foam with non-metallic tool.

4 MAX

6 Remove any foam dielectric and excess adhesive on inner conductor up to the end of outer conductor using provided foam removal tool. Squeeze the tool at the base of inner conductor and pull towards yourself.

Caution: Do not apply coring/flaring bit until rear collet is in place (step 4).



L4HM-D, L4HF-D, L4HR-D, L4DM-D Connector Installation for HELIAX LDF4 Cables HL4RPV-50 and AL4RPV-50

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7

WARNING

To achieve optimum PIM, use included alcohol wipe on the exposed inner, outer and remaining foam on the inner to remove any remaining particles. Do not remove foam from inner. Carefully examine ends of outer and inner conductors. If cuts are not clean or either conductor looks scratched, damaged or distorted, remove components, cut off cable and refit.

Use a new alcohol wipe. Do not re-use wipe from step #4.

For HL4RPV-50 cable snip off any damaged dielectric material with cutting pliers

Tip: A bright flashlight can help detect particles and clean pressurized air can be useful to blow out the particles.

8

Slide the outer body over the collet and rotate slightly to align socket within the outer body with the hex edge on the collet. Push until fully engaged.

9

Slide the clamping nut up to the outer body and tighten by hand by turning the clamping nut and holding the front body stationary. Complete the installation by tightening with torque and open ended wrenches.

14 – 16 ft-lb
(19 – 22 N · m)

10

Tighten coupling nut to the proper torque specification.

Torque wrench
Part Number:
TW-4310

4.3–10
44 - 88 in-lb
(5 - 10 N · m)

DIN
18 - 22 lb-ft
(25 - 30 N · m)

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