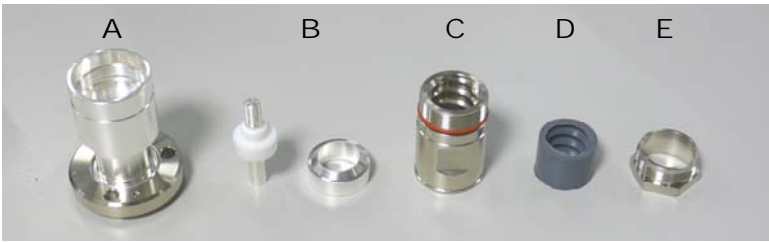
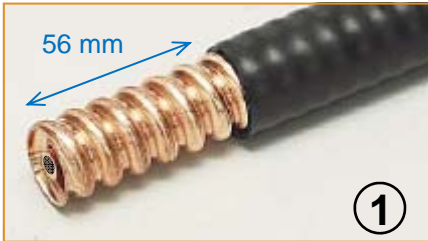


Gasket sealed EIA 7/8" Connector for 7/8 Air Cable.



- A Connector body
- B Inner assembly
- C Back nut
- D Silicon Gasket
- E Threaded bushing



Straighten the cable for at least 300mm and ensure that it is cut square. Cut the jacket 56 mm from the end of the cable. Remove "Polyment" using white spirits, cloth and scouring pad until copper is clean. Deburr the end of the outer conductor. Burrs and sharp edges may damage the silicon gasket and its ability to correctly seal when fitted in the next step.



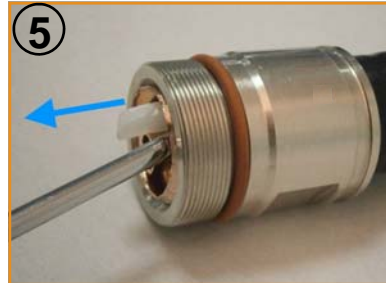
Insert the threaded bushing and screw the sealing gasket as shown care not to damage it. Put a small quantity of grease on the outer side of the gasket.



Tighten the threaded bushing to the back nut with 32 mm spanners as shown leaving a 2 mm gap between them.



Screw connector back nut clockwise onto the cable.



Pull out approximately 15 mm of helix, trim and discard 5mm, then push back into original position. Take care not to excessively trim the helix, or leave it stretched or pushed out of its original position.



Remove the O-ring and protect the groove with a piece of the earlier removed jacket and PVC tape. Flare outer conductor with soft jaw pliers to avoid splitting or deep scratches.

If soft jaw pliers are not available, the sharp teeth can be removed from regular pliers to provide soft jaws.



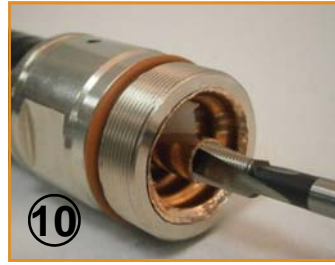
Remove PVC tape. File outer conductor flat with the outside of the connector mating surface. Remove any debris from the back nut. Apply silicone grease to O-ring. Place O-ring in position on back nut.

These instructions are written for qualified and experienced personnel. Please read them carefully before starting work. Any liability or responsibility for the improper or unsafe installation practices is disclaimed.

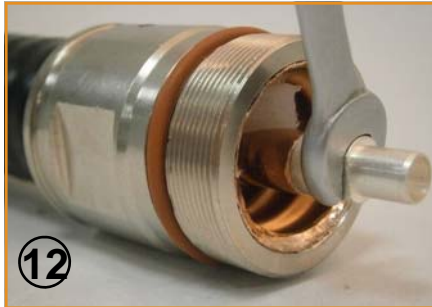
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Verify the internal diameter of the cable inner. If the diameter is less than 7.6mm, widen the diameter with a 7.6mm drill bit for at least 15mm deepness.



Thread inner to a min. depth of 15 mm using M8x0.75 roll-form tap. Remove any swarf and ensure all components are totally clean prior to final assembly.

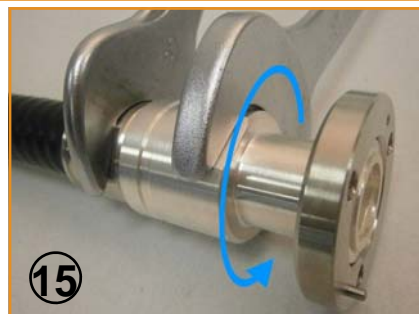


Screw inner pin into the cable inner conductor and tighten using the M7 spanner.

Insert inner cable assembly into back nut and finger tighten using M3 hex key.



Screw connector body clockwise onto back nut, keeping the cable and back nut stationary.



Tighten the connector body onto the back nut using a 36mm torque wrench whilst holding the back nut still with a 32 mm spanner. Torque to 50 Nm.



Re-tighten inner assembly to a torque of 2.6 Nm.



Completed connector

Tools:

- | | |
|-------------------------------|------------------------------|
| Ruler | Roll form tap M8 X 0.75 mm |
| Hex key M3 | Torque wrench 36mm |
| Soft jaw Pliers | 2 Spanner 32mm |
| Knife | Insulating tape |
| Hacksaw fine tooth | Spanner 7mm |
| File | Drill bit 7.6 mm |
| Screw driver flat medium size | Screw driver flat small size |
| Grease | |

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