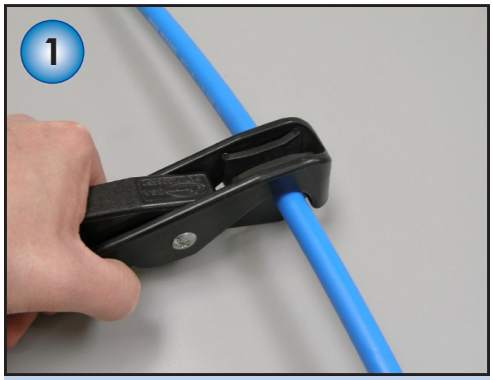
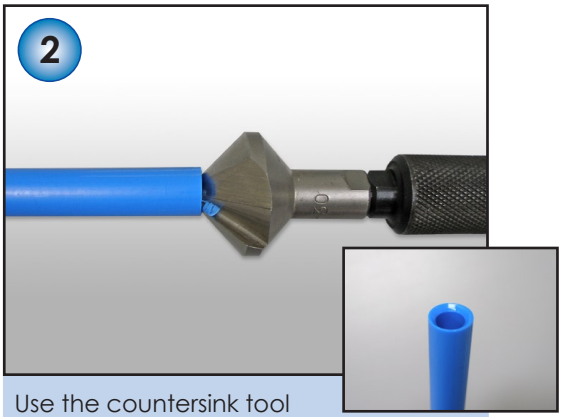
WIRE WIZARD™

Polymer Conduit Connection Assembly

Compression Fittings



Trim the conduit to length by making a firm, straight cut. Be sure to leave some slack when running the conduit to your wire feeder.



Use the countersink tool to bore into the end of the conduit as shown.

TOOLS REQUIRED
Available from ELCo Enterprises

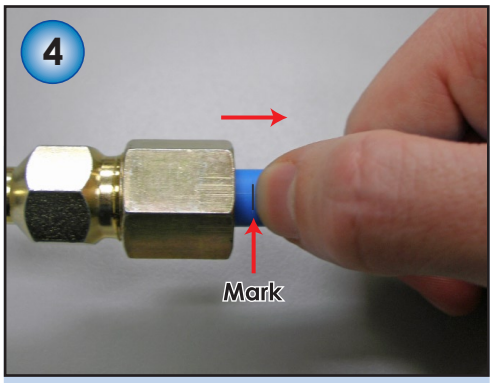
EC-DB
Countersink

EC-CUTTER
Polymer Conduit Cutter

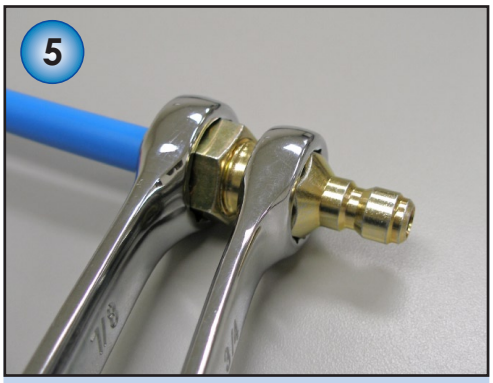
3 Based on the type of wire, connect the end assembly as shown and firmly hand-tighten. Be sure to **push the conduit all the way into the connector until it bottoms out.**

CONNECTION FOR STEEL WIRE

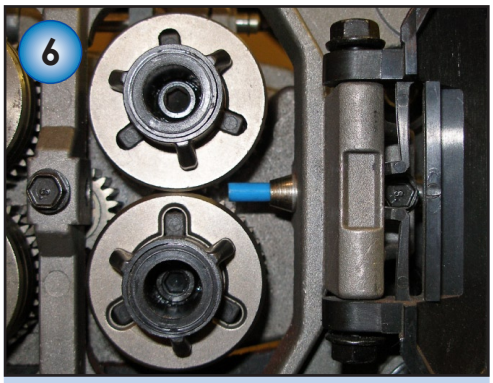
CONNECTION FOR ALUMINUM WIRE



Make a pencil mark on the conduit at the end of the connector. Pull the conduit out from the end of the connector approx. 3/16" to 1/4" (5 - 6 mm).



Firmly tighten the connector using two wrenches. Before use, ensure the conduit cannot be easily pulled out by hand. Attach to wire feeder.



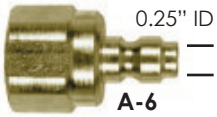
For aluminum wire, attach the connector to your wire feeder and trim the blue liner so it is approx. 1/16" (1.5 mm) away from the drive rolls.

Last Revised: 1/28/09

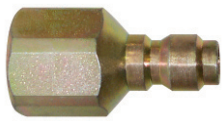
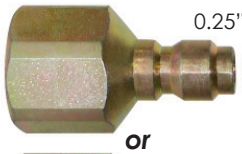
ELCo INC.
5750 Marathon Drive • Jackson, MI 49201 • (517) 782-8040 • Fax (517) 782-8039
www.wire-wizard.com

Polymer Conduit Fittings & Ferrules

COMPRESSION STYLE FITTINGS *Recommended for robotic applications*

EC-3	.175 ID x .340 OD (4.4mm ID x 8.6mm OD)	 A-10SFE	 A-10C-S
EC-4	.300 ID x .460 OD (7.6mm ID x 11.7mm OD)	 A-10CFE	 A-10C-H
EC-5	.400 ID x .600 OD (10mm ID x 15mm OD)	 A-10RFE	 A-10R
EC-6	.550 ID x .750 OD (14mm ID x 19mm OD)	 A-9-FE	 A-9/A-6 or A-9/A-6HD	 0.25" ID A-6 *or* 0.375" ID A-6HD

SCREW-ON STYLE FITTINGS *Recommended for stationary applications*

EC-3	.175 ID x .340 OD (4.4mm ID x 8.6mm OD)	 A-16F-3
EC-4	.300 ID x .460 OD (7.6mm ID x 11.7mm OD)	 A-16F-4
EC-5	.400 ID x .600 OD (10mm ID x 15mm OD)	 A-16F-5
EC-6	.550 ID x .750 OD (14mm ID x 19mm OD)	 0.25" ID A-16F-6 *or* 0.375" ID A-16F-6HD

ELCO INC.
5750 Marathon Drive • Jackson, MI 49201 • (517) 782-8040 • Fax (517) 782-8039
www.wire-wizard.com