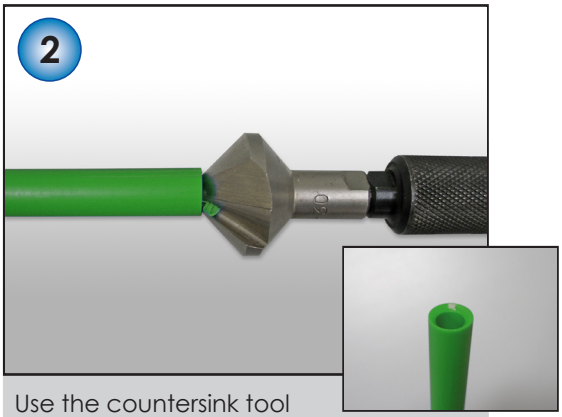
WIRE WIZARD® WELDING PRODUCTS

Polymer Conduit Connection Assembly
For Compression Fittings

1 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.



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

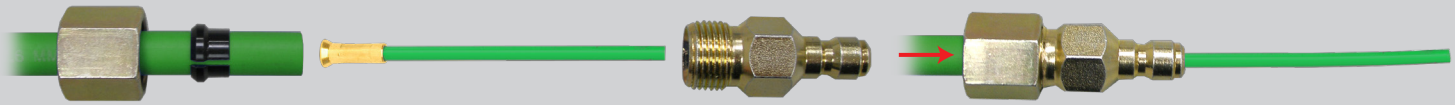
TOOLS REQUIRED
Available from ELCo Enterprises

EC-DB
Countersink

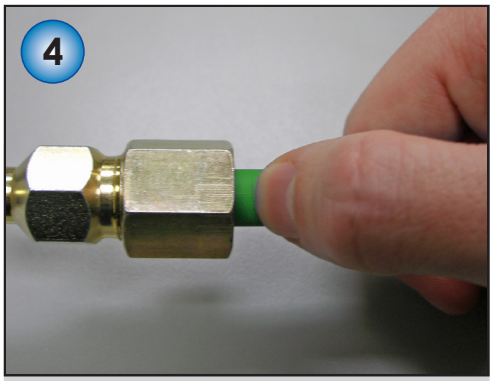
EC-CUTTER
Polymer Conduit Cutter

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

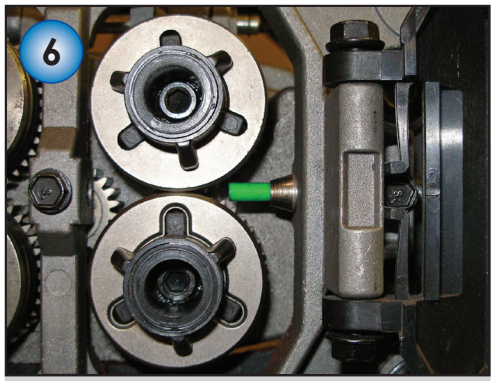


CONNECTION FOR ALUMINUM WIRE



4 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).

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



6 **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: 5/30/17

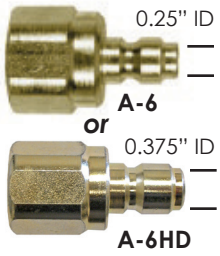
ELCo ENTERPRISES, INC.
(517) 782-8040 • Fax (517) 782-8039 • Jackson, MI 49201 USA
www.wire-wizard.com

WIRE WIZARD® WELDING PRODUCTS

Polymer Conduit Fittings & Ferrules

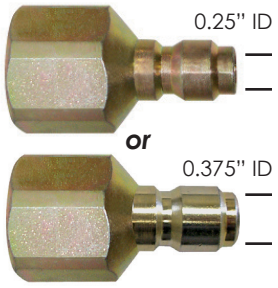
COMPRESSION STYLE FITTINGS *Recommended for robotic applications*

EC-3-R	.175 ID x .340 OD (4.4mm ID x 8.6mm OD)	A-10SFE	A-10C-S
EC-4-R	.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



THREAD-ON STYLE FITTINGS* *Recommended for stationary applications*

EC-3-R	.175 ID x .340 OD (4.4mm ID x 8.6mm OD)	A-16F-3
EC-4-R	.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)	A-16F-6 or A-16F-6HD



* *Prior to attaching screw-on fittings, be sure to taper the conduit ends as shown in step 2 on page one.*

Last Revised: 5/30/17

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