Developed in 1988, **CADWELD EXOLON** is a significant advance in welded electrical connections. The metallurgy is the same as the standard CADWELD connection approved by over 70% of electric utilities in the USA — but the virtual elimination of visible smoke plus a unique electric starting system makes this improved process easier and more convenient than ever before.

Most connections listed in this catalog can be ordered in the CADWELD EXOLON configuration. Ordering information is shown below.

HOW TO ORDER CADWELD EXOLON

1. To order CADWELD EXOLON products, just specify molds and weld metal from the catalog and add an “XL” prefix.

Example: TAC2Q2Q becomes XLTAC2Q2Q, and 150 becomes XL150.

2. If the weld metal shown in the catalog shows more than one tube required such as 2-#200, you must specify #XL400 to get the correct size filters.

Example: XLTAD-4L3Q: XL400

3. The following molds require a price key change:

- "C" price key molds using 2-#150 weld metals change to XLD price key.
- "E" price key molds using 2-#150 weld metals change to XLJ price key.
- "H" price key molds using 2-#150 weld metals, contact ERICO.
- "M" price key molds using 2-#150 weld metals change to XLV price key.
- "R" price key molds using 2-#150 weld metals change to XLF price key.
- "T" price key molds, ALL change to XLP price key.

Example: TAC3Q3Q using 2-#150 weld metals change to XLTAD3Q3Q using #XL300 weld metal

4. Filters and ignitors are included with the weld metal. XL filters and ignitors are not sold separately.

5. The ignitor can be used only once and then must be discarded. Filters will last as specified in the instructions supplied with each mold.

6. A Relia-Start electric starter, part number XLB971A1 (battery, charger, carrying case and connecting cable), is required for XL weld metal. There is no starting material in the XL weld metal tube. Batteries operate about 200 starts before recharging from 120 VAC is required. The charger, all electrical connections and instructions are included in the battery case.

7. Baffle with cover is required for larger molds. Estimated life of the baffle is 500 welds.

XLB972A1 Baffle is required for molds using XL200 and XL250 weld metals.

XLB973A1 Baffle is required for molds using XL300 to XL750 weld metals.

8. For EZ Change Handles, add XL prefix. (Flint ignitor not included.)

9. Welding Tray, part number XLB974B2, is used under the mold to protect cables and equipment from hot materials.

OTHER INFORMATION

Certain tools may be required for various connections.

If required, these tools are listed on the same page as the connection and in Section A.

- Some tools listed in Section A can save you a lot of time.
- Also refer to A9E, Contractor Tips, to make your job easier, and learn about labor saving ideas.

Prices for standard products are shown in Price List G285P

For other CADWELD literature, videos and software, See Section C.

For all your connection needs — we're only a phone call away.
Phone: 800-677-9089 Fax: 800-677-8131

or call your local CADWELD distributor, agent, or CADWELD Regional Sales Manager

REQUIRED TOOLS SUMMARY:

Required tools are listed with each mold. For your reference, handle clamps and/or frame are summarized below.

MOLD	REQUIRED
A*	Includes frame with handle
C, Q & R	Requires L160
D, F & Z	Requires L159
E*	Includes frame but also requires L160
J*	Includes frame but also requires L159
K*, M* & V*	Includes frame with handles

* To order mold only – without handles or frame – add suffix "M" to mold part number.

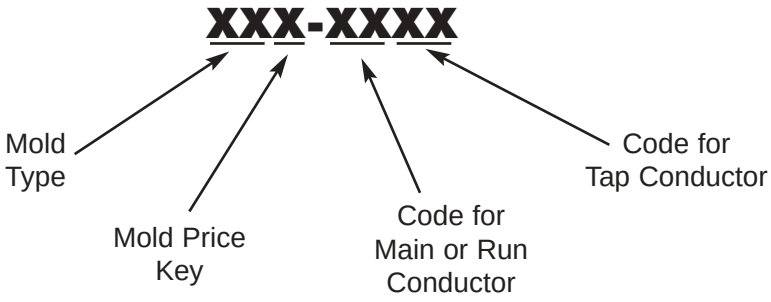
GROUNDING CONNECTION SPECIFICATION

All grounding connections of copper to copper and copper to steel conductors of #8 and larger sized conductors shall be CADWELD exothermic welded connections. Conductors spliced with a CADWELD exothermic welded connection shall be considered as a continuous conductor, as stated in the notes accompanying NEC 250-50, 250-64, 250-68, 250-70 and IEEE Std 80 – 1986.

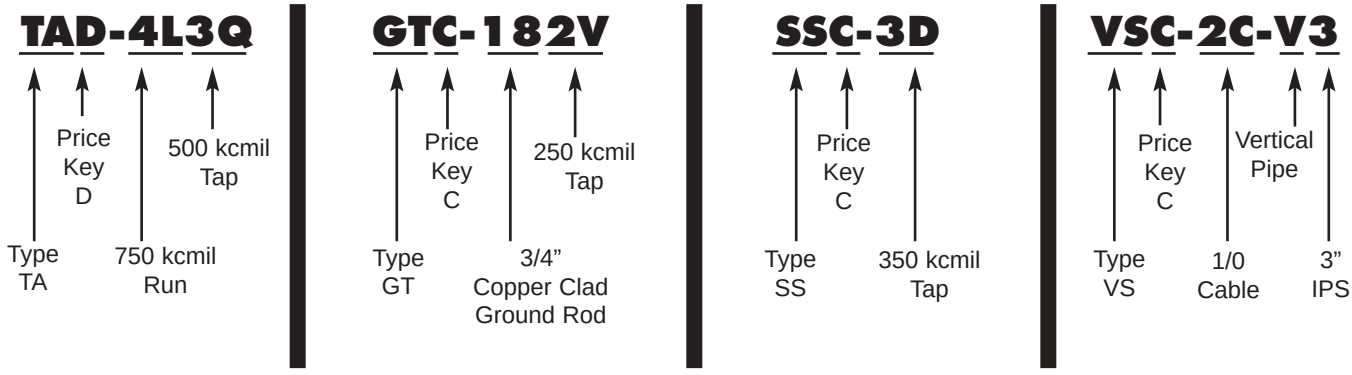
All grounding connections to equipment shall use bolted lugs. When the conductor is #8 and larger, the lug shall be joined to the conductor by the CADWELD process, otherwise use listed compression lugs which meet IEEE Std 837 – 1989.

THE CADWELD MOLD NUMBERING SYSTEM

The CADWELD Mold Part Number gives, in code, the complete information about the mold – Type of connection, mold price key, and conductor size(s)



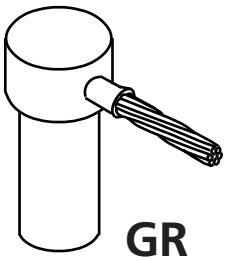
EXAMPLES

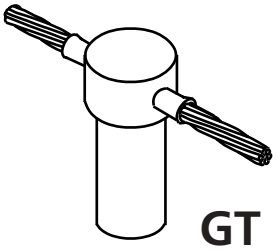


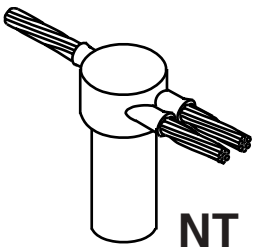
Conductor codes are listed in Section B

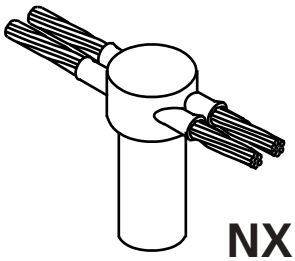
ONE-SHOT CABLE TO GROUND ROD

GR/GT/NT/NX









ONE-SHOT connections are available in standard packages of 12 each.

CABLE TO GROUND ROD USING CADWELD ONE-SHOT CONNECTIONS

For plain or threaded copper clad and galvanized steel or stainless steel rods. The CADWELD ONE-SHOT case is a ceramic disposable body replacing the familiar semi-permanent graphite mold and associated Handle Clamp. Everything required is included except the flint ignitor.

R.E.A. Accepted

NEC Approved

REQUIRED TOOLS

Flint Ignitor	**T320**

SUGGESTED TOOLS

Cable Cleaning Brush	T313 or T314
File	T329
Torch Head	T111

ACCESSORIES

See Section A

ONE-SHOT now available for cable to cable see page 1-9

GROUND ROD SIZE	CONDUCTOR Solid	CONDUCTOR Stranded	CONNECTOR PART NUMBER TYPE GR	TYPE GT	TYPE NT	TYPE NX
1/2"	6,8	8	GR1-141G	GT1-141G	NT1-141G	NX1-141G
	3,4	4,6	GR1-141L	GT1-141L	NT1-141L	NX1-141L
	1,2	2,3	GR1-141V	GT1-141V	NT1-141V	—
5/8"	6,8	8	GR1-161G	GT1-161G	NT1-161G	NX1-161G
	3,4	4,6	GR1-161L	GT1-161L	NT1-161L	NX1-161L
	1,2	2,3	GR1-161V	GT1-161V	NT1-161V	NX1-161V
	2/0, 1/0	1/0, 1	GR1-162C	GT1-162C	—	—
		2/0	GR1-162G	GT1-162G	—	—
		4/0	GR1-162Q	—	—	—
3/4"	6,8	8	GR1-181G	GT1-181G	NT1-181G	NX1-181G
	3,4	4,6	GR1-181L	GT1-181L	NT1-181L	NX1-181L
	1,2	2,3	GR1-181V	GT1-181V	NT1-181V	NX1-181V
	2/0, 1/0	1/0, 1	GR1-182C	GT1-182C	—	—
		2/0	GR1-182G	GT1-182G	—	—
		4/0	GR1-182Q	—	—	—

Ph: 1-800-677-9089
www.erico.com