

# nVent ERICO Cadweld Exolon, Cable to Cable

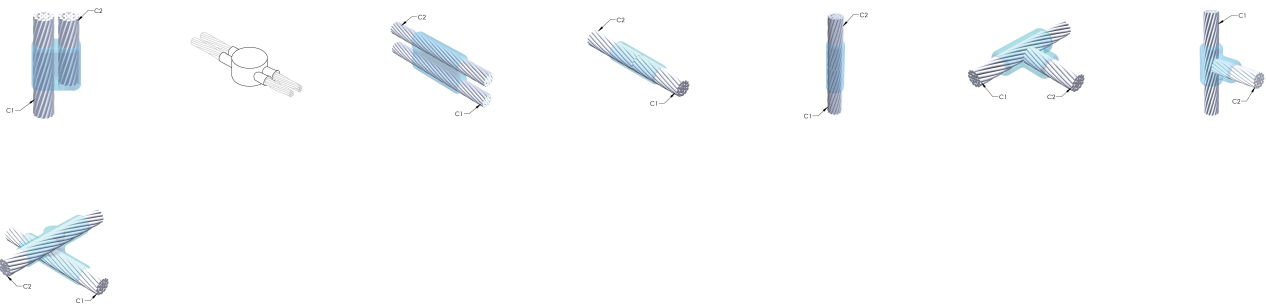


Developed in 1988, nVent ERICO Cadweld Exolon connections represented a significant advancement in welded electrical connections for sensitive indoor applications like data centers, hospitals, and other clean room environments. The virtual elimination of smoke and a unique electronic starting system makes this an ideal solution for sensitive applications. Each nVent ERICO Cadweld Exolon package contains ceramic filters that produce an extremely low emission connection.

## CERTIFICATIONS



## DIAGRAMS



## FEATURES

Forms a permanent, low resistance connection

Provides a molecular bond

nVent ERICO Cadweld Exothermic Connections are rated with the same current capacity as the conductor

Portable installation equipment with no external source of power required

Installers can be easily trained to make nVent ERICO Cadweld Exothermic Connections

Connections can be visually inspected

## SPECIFICATIONS

Table 1/1

| Catalog Number | Mold Family | Conductor 1    | Conductor 1<br>Outer<br>Diameter,<br>Nominal | Conductor 2   | Conductor 2<br>Outer<br>Diameter,<br>Nominal | Certifications |
|----------------|-------------|----------------|----------------------------------------------|---------------|----------------------------------------------|----------------|
| XLTAC2G1H      | TA          | 2/0 Concentric | 10.62mm                                      | #6 Concentric | 4.67mm                                       | cUL, UL        |
| XLTAC2Q1H      | TA          | 4/0 Concentric | 13.41mm                                      | #6 Concentric | 4.67mm                                       | UL, cUL        |
| XLPC1V1H       | PC          | #2 Concentric  | 7.42mm                                       | #6 Concentric | 4.67mm                                       | cUL, UL        |
| XLPC2C1H       | PC          | 1/0 Concentric | 9.47mm                                       | #6 Concentric | 4.67mm                                       | UL, cUL        |
| XLPC2G1H       | PC          | 2/0 Concentric | 10.62mm                                      | #6 Concentric | 4.67mm                                       | cUL, UL        |
| XLPC2Q1H       | PC          | 4/0 Concentric | 13.41mm                                      | #6 Concentric | 4.67mm                                       | cUL, UL        |
| XLPG1H1H       | PG          | #6 Concentric  | 4.67mm                                       | #6 Concentric | 4.67mm                                       | UL, cUL        |
| XLPG1H1HM      | PG          | #6 Concentric  | 4.67mm                                       | #6 Concentric | 4.67mm                                       | cUL, UL        |
| XLPTC1L1H      | PT          | #4 Concentric  | 5.89mm                                       | #6 Concentric | 4.67mm                                       | cUL, UL        |
| XLPTC2Q1H      | PT          | 4/0 Concentric | 13.41mm                                      | #6 Concentric | 4.67mm                                       | cUL, UL        |
| XLTAC1H1H      | TA          | #6 Concentric  | 4.67mm                                       | #6 Concentric | 4.67mm                                       | UL, cUL        |
| XLPC2C1L       | PC          | 1/0 Concentric | 9.47mm                                       | #4 Concentric | 5.89mm                                       | cUL, UL        |
| XLPC2G1L       | PC          | 2/0 Concentric | 10.62mm                                      | #4 Concentric | 5.89mm                                       | UL, cUL        |
| XLPC2Q1L       | PC          | 4/0 Concentric | 13.41mm                                      | #4 Concentric | 5.89mm                                       | cUL, UL        |
| XLPTC1L1L      | PT          | #4 Concentric  | 5.89mm                                       | #4 Concentric | 5.89mm                                       | UL, cUL        |
| XLPTC2C1L      | PT          | 1/0 Concentric | 9.47mm                                       | #4 Concentric | 5.89mm                                       | cUL, UL        |

| CatalogNumber | Mold Family | Conductor 1             | Conductor 1<br>OuterDiameter,<br>Nominal | Conductor 2   | Conductor 2<br>OuterDiameter,<br>Nominal | Certifications |
|---------------|-------------|-------------------------|------------------------------------------|---------------|------------------------------------------|----------------|
| XLSSC1L       | SS          | #4 Concentric           | 5.89mm                                   | #4 Concentric | 5.89mm                                   | cUL, UL        |
| XLTAC1L1L     | TA          | #4 Concentric           | 5.89mm                                   | #4 Concentric | 5.89mm                                   | cUL, UL        |
| XLTAC2Q1L     | TA          | 4/0 Concentric          | 13.41mm                                  | #4 Concentric | 5.89mm                                   | UL, cUL        |
| XLTAC3D1L     | TA          | 350 kcmil<br>Concentric | 17.3mm                                   | #4 Concentric | 5.89mm                                   |                |
| XLXBC1V1L     | XB          | #2 Concentric           | 7.42mm                                   | #4 Concentric | 5.89mm                                   | cUL, UL        |
| XLTAC2Q1T     | TA          | 4/0 Concentric          | 13.41mm                                  | #2 Solid      | 6.53mm                                   | cUL, UL        |
| XLSSC1T       | SS          | #2 Solid                | 6.53mm                                   | #2 Solid      | 6.53mm                                   | UL, cUL        |
| XLPC2Q1V      | PC          | 4/0 Concentric          | 13.41mm                                  | #2 Concentric | 7.42mm                                   | UL, cUL        |
| XLPTC2G1V     | PT          | 2/0 Concentric          | 10.62mm                                  | #2 Concentric | 7.42mm                                   | cUL, UL        |
| XLSSC1V       | SS          | #2 Concentric           | 7.42mm                                   | #2 Concentric | 7.42mm                                   | cUL, UL        |
| XLTAC1V1V     | TA          | #2 Concentric           | 7.42mm                                   | #2 Concentric | 7.42mm                                   | UL, cUL        |
| XLTAC2C1V     | TA          | 1/0 Concentric          | 9.47mm                                   | #2 Concentric | 7.42mm                                   | UL, cUL        |
| XLTAC2G1V     | TA          | 2/0 Concentric          | 10.62mm                                  | #2 Concentric | 7.42mm                                   | UL, cUL        |
| XLTAC2L1V     | TA          | 3/0 Concentric          | 11.94mm                                  | #2 Concentric | 7.42mm                                   | cUL, UL        |
| XLTAC2Q1V     | TA          | 4/0 Concentric          | 13.41mm                                  | #2 Concentric | 7.42mm                                   | UL, cUL        |
| XLTCR3X1V     | TC          | 600 kcmil<br>Concentric | 22.68mm                                  | #2 Concentric | 7.42mm                                   |                |
| XLXBC1V1V     | XB          | #2 Concentric           | 7.42mm                                   | #2 Concentric | 7.42mm                                   | UL, cUL        |
| XLXBM2G1V     | XB          | 2/0 Concentric          | 10.62mm                                  | #2 Concentric | 7.42mm                                   | cUL, UL        |

| CatalogNumber | Mold Family | Conductor 1                      | Conductor 1<br>OuterDiameter,<br>Nominal | Conductor 2                      | Conductor 2<br>OuterDiameter,<br>Nominal | Certifications |
|---------------|-------------|----------------------------------|------------------------------------------|----------------------------------|------------------------------------------|----------------|
| XLPTC1Y1Y     | PT          | #1 Concentric                    | 8.43mm                                   | #1 Concentric                    | 8.43mm                                   | cUL, UL        |
| XLSSC1Y       | SS          | #1 Concentric                    | 8.43mm                                   | #1 Concentric                    | 8.43mm                                   | cUL, UL        |
| XLTACY3Y3     | TA          | 50 mm <sup>2</sup><br>Concentric | 8.99mm                                   | 50 mm <sup>2</sup><br>Concentric | 8.99mm                                   | UL, cUL        |
| XLTAC2C2C     | TA          | 1/0 Concentric                   | 9.47mm                                   | 1/0 Concentric                   | 9.47mm                                   | cUL, UL        |
| XLTAC2C2L     | TA          | 1/0 Concentric                   | 9.47mm                                   | 3/0 Concentric                   | 11.94mm                                  | UL, cUL        |
| XLTAC2C2Q     | TA          | 1/0 Concentric                   | 9.47mm                                   | 4/0 Concentric                   | 13.41mm                                  | UL, cUL        |
| XLTAC2L2C     | TA          | 3/0 Concentric                   | 11.94mm                                  | 1/0 Concentric                   | 9.47mm                                   | UL, cUL        |
| XLTAC2Q2C     | TA          | 1/0 Concentric                   | 9.47mm                                   | 4/0 Concentric                   | 13.41mm                                  | UL, cUL        |
| XLTAC3D2C     | TA          | 350 kcmil<br>Concentric          | 17.3mm                                   | 1/0 Concentric                   | 9.47mm                                   |                |
| XLXBM2C2C     | XB          | 1/0 Concentric                   | 9.47mm                                   | 1/0 Concentric                   | 9.47mm                                   | cUL, UL        |
| XLPTC2C2C     | PT          | 1/0 Concentric                   | 9.47mm                                   | 1/0 Concentric                   | 9.47mm                                   | UL, cUL        |
| XLPTC2G2C     | PT          | 2/0 Concentric                   | 10.62mm                                  | 1/0 Concentric                   | 9.47mm                                   | cUL, UL        |
| XLPTC2L2C     | PT          | 3/0 Concentric                   | 11.94mm                                  | 1/0 Concentric                   | 9.47mm                                   | cUL, UL        |
| XLPTC2Q2C     | PT          | 4/0 Concentric                   | 13.41mm                                  | 1/0 Concentric                   | 9.47mm                                   | cUL, UL        |
| XLPTC2Q2CW    | PT          | 4/0 Concentric                   | 13.41mm                                  | 1/0 Concentric                   | 9.47mm                                   | UL, cUL        |
| XLSSC2C       | SS          | 1/0 Concentric                   | 9.47mm                                   | 1/0 Concentric                   | 9.47mm                                   | UL, cUL        |
| XLPTC2G2G     | PT          | 2/0 Concentric                   | 10.62mm                                  | 2/0 Concentric                   | 10.62mm                                  | UL, cUL        |
| XLPTC2L2G     | PT          | 3/0 Concentric                   | 11.94mm                                  | 2/0 Concentric                   | 10.62mm                                  | cUL, UL        |

| CatalogNumber | Mold Family | Conductor 1                      | Conductor 1<br>OuterDiameter,<br>Nominal | Conductor 2                      | Conductor 2<br>OuterDiameter,<br>Nominal | Certifications |
|---------------|-------------|----------------------------------|------------------------------------------|----------------------------------|------------------------------------------|----------------|
| XLPTC2Q2G     | PT          | 4/0 Concentric                   | 13.41mm                                  | 2/0 Concentric                   | 10.62mm                                  | cUL, UL        |
| XLSSC2G       | SS          | 2/0 Concentric                   | 10.62mm                                  | 2/0 Concentric                   | 10.62mm                                  | cUL, UL        |
| XLTAC2G2G     | TA          | 2/0 Concentric                   | 10.62mm                                  | 2/0 Concentric                   | 10.62mm                                  | UL, cUL        |
| XLTAC2L2G     | TA          | 3/0 Concentric                   | 11.94mm                                  | 2/0 Concentric                   | 10.62mm                                  | UL, cUL        |
| XLTAC2Q2G     | TA          | 4/0 Concentric                   | 13.41mm                                  | 2/0 Concentric                   | 10.62mm                                  | cUL, UL        |
| XLXBM2Q2G     | XB          | 4/0 Concentric                   | 13.41mm                                  | 2/0 Concentric                   | 10.62mm                                  | cUL, UL        |
| XLPTCY4Y4     | PT          | 70 mm <sup>2</sup><br>Concentric | 10.92mm                                  | 70 mm <sup>2</sup><br>Concentric | 10.92mm                                  |                |
| XLTACY4Y4     | TA          | 70 mm <sup>2</sup><br>Concentric | 10.92mm                                  | 70 mm <sup>2</sup><br>Concentric | 10.92mm                                  | cUL, UL        |
| XLTAC2L2L     | TA          | 3/0 Concentric                   | 11.94mm                                  | 3/0 Concentric                   | 11.94mm                                  | cUL, UL        |
| XLTAC2Q2L     | TA          | 4/0 Concentric                   | 13.41mm                                  | 3/0 Concentric                   | 11.94mm                                  | UL, cUL        |
| XLTAC3Q2L     | TA          | 500 kcmil<br>Concentric          | 20.65mm                                  | 3/0 Concentric                   | 11.94mm                                  |                |
| XLXBM2L2L     | XB          | 3/0 Concentric                   | 11.94mm                                  | 3/0 Concentric                   | 11.94mm                                  | UL, cUL        |
| XLPTC2L2L     | PT          | 3/0 Concentric                   | 11.94mm                                  | 3/0 Concentric                   | 11.94mm                                  | UL, cUL        |
| XLSSC2L       | SS          | 3/0 Concentric                   | 11.94mm                                  | 3/0 Concentric                   | 11.94mm                                  | cUL, UL        |
| XLVR2L        | SV          | 3/0 Concentric                   | 11.94mm                                  | 3/0 Concentric                   | 11.94mm                                  |                |
| XLPC3Q2Q      | PC          | 500 kcmil<br>Concentric          | 20.65mm                                  | 4/0 Concentric                   | 13.41mm                                  | cUL, UL        |
| XLPC3Q2QS     | PC          | 500 kcmil<br>Concentric          | 20.65mm                                  | 4/0 Concentric                   | 13.41mm                                  | cUL, UL        |
| XLPTC2Q2Q     | PT          | 4/0 Concentric                   | 13.41mm                                  | 4/0 Concentric                   | 13.41mm                                  | cUL, UL        |

| CatalogNumber | Mold Family | Conductor 1             | Conductor 1<br>OuterDiameter,<br>Nominal | Conductor 2         | Conductor 2<br>OuterDiameter,<br>Nominal | Certifications |
|---------------|-------------|-------------------------|------------------------------------------|---------------------|------------------------------------------|----------------|
| XLPTC2Q2QS    | PT          | 4/0 Concentric          | 13.41mm                                  | 4/0 Concentric      | 13.41mm                                  | UL, cUL        |
| XLPTC2V2Q     | PT          | 250 kcmil<br>Concentric | 14.61mm                                  | 4/0 Concentric      | 13.41mm                                  | cUL, UL        |
| XLSSC2Q       | SS          | 4/0 Concentric          | 13.41mm                                  | 4/0 Concentric      | 13.41mm                                  | UL, cUL        |
| XLXBM2Q2Q     | XB          | 4/0 Concentric          | 13.41mm                                  | 4/0 Concentric      | 13.41mm                                  | cUL, UL        |
| XLXBM2Q2QMS   | XB          | 4/0 Concentric          | 13.41mm                                  | 4/0 Concentric      | 13.41mm                                  | UL, cUL        |
| XLXBM2Q2QS    | XB          | 4/0 Concentric          | 13.41mm                                  | 4/0 Concentric      | 13.41mm                                  | cUL, UL        |
| XLXBM2Q2QWS   | XB          | 4/0 Concentric          | 13.41mm                                  | 4/0 Concentric      | 13.41mm                                  | cUL, UL        |
| XLXBQ2Q2Q     | XB          | 4/0 Concentric          | 13.41mm                                  | 4/0 Concentric      | 13.41mm                                  | UL, cUL        |
| XLXBQ2Q2QS    | XB          | 4/0 Concentric          | 13.41mm                                  | 4/0 Concentric      | 13.41mm                                  | cUL, UL        |
| XLXBQ2Q2QW    | XB          | 4/0 Concentric          | 13.41mm                                  | 4/0 Concentric      | 13.41mm                                  | cUL, UL        |
| XLXBQ2Q2QWS   | XB          | 4/0 Concentric          | 13.41mm                                  | 4/0 Concentric      | 13.41mm                                  | UL, cUL        |
| XLTAC2Q2Q     | TA          | 4/0 Concentric          | 13.41mm                                  | 4/0 Concentric      | 13.41mm                                  | UL, cUL        |
| XLTAC2Q2QW    | TA          | 4/0 Concentric          | 13.41mm                                  | 4/0 Concentric      | 13.41mm                                  | cUL, UL        |
| XLTAC2Q9FW    | TA          | 4/0 Concentric          | 13.41mm                                  | 19/#9<br>Copperweld | 14.53mm                                  |                |
| XLTAC2V2Q     | TA          | 250 kcmil<br>Concentric | 14.61mm                                  | 4/0 Concentric      | 13.41mm                                  | cUL, UL        |
| XLTAC3Q2Q     | TA          | 500 kcmil<br>Concentric | 20.65mm                                  | 4/0 Concentric      | 13.41mm                                  |                |
| XLTAC3Q2QW    | TA          | 500 kcmil<br>Concentric | 20.65mm                                  | 4/0 Concentric      | 13.41mm                                  |                |
| XLTAC9F2QW    | TA          | 19/#9<br>Copperweld     | 14.53mm                                  | 4/0 Concentric      | 13.41mm                                  |                |

| CatalogNumber    | Mold Family | Conductor 1             | Conductor 1<br>OuterDiameter,<br>Nominal | Conductor 2             | Conductor 2<br>OuterDiameter,<br>Nominal | Certifications |
|------------------|-------------|-------------------------|------------------------------------------|-------------------------|------------------------------------------|----------------|
| XLTCR2Q2Q        | TC          | 4/0 Concentric          | 13.41mm                                  | 4/0 Concentric          | 13.41mm                                  |                |
| XLTCR2V2Q        | TC          | 250 kcmil<br>Concentric | 14.61mm                                  | 4/0 Concentric          | 13.41mm                                  |                |
| XLTAC3Q2V        | TA          | 500 kcmil<br>Concentric | 20.65mm                                  | 250 kcmil<br>Concentric | 14.61mm                                  |                |
| XLTAC9F9FW       | TA          | 19/#9<br>Copperweld     | 14.53mm                                  | 19/#9<br>Copperweld     | 14.53mm                                  |                |
| XLHDTAC3D3D      | TA          | 350 kcmil<br>Concentric | 17.3mm                                   | 350 kcmil<br>Concentric | 17.3mm                                   |                |
| XLHDTAC3D3D<br>S | TA          | 350 kcmil<br>Concentric | 17.3mm                                   | 350 kcmil<br>Concentric | 17.3mm                                   |                |
| XLTAC3Q3D        | TA          | 500 kcmil<br>Concentric | 20.65mm                                  | 350 kcmil<br>Concentric | 17.3mm                                   |                |
| XLTAC3Q3H        | TA          | 500 kcmil<br>Concentric | 20.65mm                                  | 400 kcmil<br>Concentric | 18.49mm                                  |                |
| XLTAC3Q3HS       | TA          | 500 kcmil<br>Concentric | 20.65mm                                  | 400 kcmil<br>Concentric | 18.49mm                                  |                |
| XLTAC3Q3Q        | TA          | 500 kcmil<br>Concentric | 20.65mm                                  | 500 kcmil<br>Concentric | 20.65mm                                  |                |
| XLTAC3Q3QS       | TA          | 500 kcmil<br>Concentric | 20.65mm                                  | 500 kcmil<br>Concentric | 20.65mm                                  |                |
| XLTAD3Q3QS       | TA          | 500 kcmil<br>Concentric | 20.65mm                                  | 500 kcmil<br>Concentric | 20.65mm                                  |                |
| XLTCF3Q3QW       | TC          | 500 kcmil<br>Concentric | 20.65mm                                  | 500 kcmil<br>Concentric | 20.65mm                                  |                |
| XLTCF3Q3QWS      | TC          | 500 kcmil<br>Concentric | 20.65mm                                  | 500 kcmil<br>Concentric | 20.65mm                                  |                |
| XLPTD3Q3Q        | PT          | 500 kcmil<br>Concentric | 20.65mm                                  | 500 kcmil<br>Concentric | 20.65mm                                  |                |
| XLPTD3Q3QS       | PT          | 500 kcmil<br>Concentric | 20.65mm                                  | 500 kcmil<br>Concentric | 20.65mm                                  |                |
| XLSSC3Q          | SS          | 500 kcmil<br>Concentric | 20.65mm                                  | 500 kcmil<br>Concentric | 20.65mm                                  |                |

| CatalogNumber | Mold Family | Conductor 1             | Conductor 1<br>OuterDiameter,<br>Nominal | Conductor 2             | Conductor 2<br>OuterDiameter,<br>Nominal | Certifications |
|---------------|-------------|-------------------------|------------------------------------------|-------------------------|------------------------------------------|----------------|
| XLSSC4L       | SS          | 750 kcmil<br>Concentric | 25.35mm                                  | 750 kcmil<br>Concentric | 25.35mm                                  |                |

### ADDITIONAL PRODUCT DETAILS

A gap between conductors may be required. See mold tag for more information.

| XL-XX-X-XX-XX-L-M-W |                                  |                                                                                         |
|---------------------|----------------------------------|-----------------------------------------------------------------------------------------|
| XL                  | ERICO CADWELD EXOLON Designation |                                                                                         |
| XX                  | Mold Family                      |                                                                                         |
| X                   | Price Key                        |                                                                                         |
| XX                  | Conductor Code 1                 |                                                                                         |
| XX                  | Conductor Code 2                 |                                                                                         |
| L*                  | Split Crucible                   | Crucible section is split on molds designed with horizontal opening for easier cleaning |
| M*                  | Mold Only                        |                                                                                         |
| W*                  | Wear Plates                      | Reduce mechanical abrasion of molds at cable entry points                               |

\* Empty if none

### WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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