

# Type CLGE - General purpose CE Liquid-tight flexible metal conduit

**General Purpose, commercial grade liquid-tight flexible metallic conduits provide excellent strength and liquid-tight performance.**

## Features & Benefits:

- Designed to meet UL 360 ID/OD dimension requirements
- Full compliance to IEC 61386-1 requirements, CE certified
- Trade sizes from 3/8" to 4" (12mm to 100mm)
- Coordinated performance with Series "LT" Steel City Commercial Fittings
- Smooth extruded jackets provide best performance with fittings

## Applications:

- General Purpose, commercial grade liquid-tight flexible metallic conduit
- Used extensively where flexibility is necessary for motion, vibration and bending
- The inherent sunlight resistance of PVC enables this product to be used in outdoor applications
- Liquid-tight applications against water, oils, mild acids
- For use in electrical circuits up to 1,000 VAC.

## Construction / Material / Finish:

- Corrosion Resistant Steel Core
- PVC (Polyvinyl Chloride) extruded smooth jacket
- Ink jet printed ratings and technical information
- Full range of trade sizes from 3/8" to 4" (12mm to 100mm)
  - 3/8" to 2", square lock design
  - 2-1/2" to 4", fully interlocked design
- Colors: Machine tool gray (standard), black (optional)

## Environment ratings:

### Working Temperature:

- Gen:
  - Dry: -20 to +80°C (-4 to +176°F)
  - Oil: -20 to +70°C (-4 to +158°F)
  - Wet: -20 to +60°C (-4 to +140°F)
- IEC/CE:
  - Gen: -15 to +60°C (+5 to +140°F)

### Chemical Resistance Guide:

- See publication TDS000117

# Steel City® Conduit Systems



## Certifications / Standards:



### Conforms to:

- IEC 61386-1, -23, Conduit Systems for Cable Management  
EU DoC: EC-012-17-170
- CE (Conformité Européene, European Conformity)
- RoHS (Restriction of Hazardous Substances Directive)

### Standards requirements:

Designed to UL 360 and CSA C22.2 No. 15 standard requirements including:

- ID and OD Dimensions

Meets all IEC 61386-1, -23 standard requirements including:

- Compression strength - Code 4 Heavy; 1250 N/50mm
- Impact strength - Code 4 Heavy; 6 Joules
- Tensile strength - Code 3 Medium; 500 N/2 min.

### Ingress protection:

- Provides "Ingress Integrity" between enclosures, fittings, conduits & seals when using CLGE Conduits and Series "LT" Commercial Liquidtight Fittings

### System ingress ratings:

- NEMA 250:
  - Indoor: Type 4, 12, 13
  - Outdoor: Type 3, 3R, 4

### IEC system ingress rating:

- IP Ingress Protection per IEC 60529 requirements
- IEC Ingress Ratings: IP65

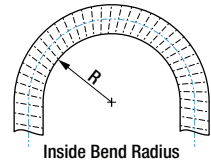
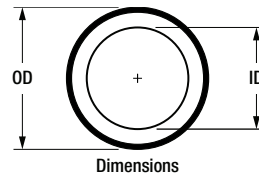
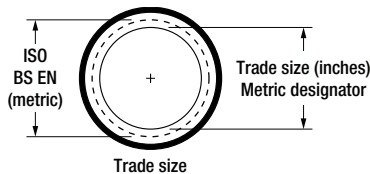


# Type CLGE - General purpose CE

## Product selection and dimensions

### Product selection

| Trade size |                   |           | Coil length     |      |       |                 |      |       |                 |       |       |        |      |  | Weight |  |
|------------|-------------------|-----------|-----------------|------|-------|-----------------|------|-------|-----------------|-------|-------|--------|------|--|--------|--|
| Trade size | Metric designator | ISO BS EN | Carton          |      |       | Standard reel   |      |       | Bulk reel       |       |       | Weight |      |  |        |  |
| Inches     | mm                | mm        | Part No./GID    | Feet | Meter | Part No./GID    | Feet | Meter | Part No./GID    | Feet  | Meter | lbs/ft | kg/m |  |        |  |
| 3/8        | 12                | 16        | CLGES01G-C      | 100  | 30    | CLGES01G-K      | 500  | 150   | CLGES01G-L      | 1,000 | 300   | 0.20   | 0.30 |  |        |  |
|            |                   |           | 7TAA012CA0R0000 |      |       | 7TAA012CA0R0010 |      |       | 7TAA012CA0R0017 |       |       |        |      |  |        |  |
| 1/2        | 16                | 20        | CLGES02G-C      | 100  | 30    | CLGES02G-K      | 500  | 150   | CLGES02G-L      | 1,000 | 300   | 0.24   | 0.36 |  |        |  |
|            |                   |           | 7TAA012CA0R0001 |      |       | 7TAA012CA0R0011 |      |       | 7TAA012CA0R0018 |       |       |        |      |  |        |  |
| 3/4        | 21                | 25        | CLGES03G-C      | 100  | 30    | CLGES03G-K      | 500  | 150   | CLGES03G-L      | 1,000 | 300   | 0.31   | 0.46 |  |        |  |
|            |                   |           | 7TAA012CA0R0002 |      |       | 7TAA012CA0R0012 |      |       | 7TAA012CA0R0019 |       |       |        |      |  |        |  |
| 1          | 27                | 32        | CLGES04G-C      | 100  | 30    | CLGES04G-J      | 400  | 120   | —               | —     | —     | 0.43   | 0.64 |  |        |  |
|            |                   |           | 7TAA012CA0R0003 |      |       | 7TAA012CA0R0013 |      |       | —               |       |       |        |      |  |        |  |
| 1-1/4      | 35                | 40        | CLGES05G-B      | 50   | 15    | CLGES05G-E      | 200  | 60    | —               | —     | —     | 0.60   | 0.89 |  |        |  |
|            |                   |           | 7TAA012CA0R0004 |      |       | 7TAA012CA0R0014 |      |       | —               |       |       |        |      |  |        |  |
| 1-1/2      | 41                | 50        | CLGES06G-B      | 50   | 15    | CLGES06G-D      | 150  | 45    | —               | —     | —     | 0.78   | 1.16 |  |        |  |
|            |                   |           | 7TAA012CA0R0005 |      |       | 7TAA012CA0R0015 |      |       | —               |       |       |        |      |  |        |  |
| 2          | 53                | 63        | CLGES07G-B      | 50   | 15    | CLGES07G-C      | 100  | 30    | —               | —     | —     | 1.04   | 1.55 |  |        |  |
|            |                   |           | 7TAA012CA0R0006 |      |       | 7TAA012CA0R0016 |      |       | —               |       |       |        |      |  |        |  |
| 2-1/2      | 63                | 70        | CLGES08G-A      | 25   | 8     | —               | —    | —     | —               | —     | —     | 1.92   | 2.86 |  |        |  |
|            |                   |           | 7TAA012CA0R0007 |      |       | —               |      |       | —               |       |       |        |      |  |        |  |
| 3          | 78                | 80        | CLGES09G-A      | 25   | 8     | —               | —    | —     | —               | —     | —     | 2.52   | 3.75 |  |        |  |
|            |                   |           | 7TAA012CA0R0008 |      |       | —               |      |       | —               |       |       |        |      |  |        |  |
| 4          | 103               | 100       | CLGES11G-A      | 25   | 8     | —               | —    | —     | —               | —     | —     | 3.50   | 5.21 |  |        |  |
|            |                   |           | 7TAA012CA0R0009 |      |       | —               |      |       | —               |       |       |        |      |  |        |  |



### Dimensions

| Part number | Trade size |                   |           | Minimum inside bend radius |     |         |       | Inches      |       |              |       | Millimeters |       |              |       |
|-------------|------------|-------------------|-----------|----------------------------|-----|---------|-------|-------------|-------|--------------|-------|-------------|-------|--------------|-------|
|             | Trade size | Metric designator | ISO BS EN | Static                     |     | Dynamic |       | Inside (ID) |       | Outside (OD) |       | Inside (ID) |       | Outside (OD) |       |
|             | Inches     | mm                | mm        | Inches                     | mm  | Inches  | mm    | Min         | Max   | Min          | Max   | Min         | Max   | Min          | Max   |
| CLGES01G-*  | 3/8        | 12                | 16        | 1.5                        | 38  | 4.0     | 102   | 0.484       | 0.504 | 0.690        | 0.710 | 12.3        | 12.8  | 17.5         | 18.0  |
| CLGES02G-*  | 1/2        | 16                | 20        | 2.0                        | 51  | 5.0     | 127   | 0.622       | 0.642 | 0.820        | 0.840 | 15.8        | 16.3  | 20.8         | 21.3  |
| CLGES03G-*  | 3/4        | 21                | 25        | 2.5                        | 64  | 6.0     | 152   | 0.820       | 0.840 | 1.030        | 1.050 | 20.8        | 21.3  | 26.2         | 26.7  |
| CLGES04G-*  | 1          | 27                | 32        | 3.0                        | 76  | 12.0    | 305   | 1.041       | 1.066 | 1.290        | 1.315 | 26.4        | 27.1  | 32.8         | 33.4  |
| CLGES05G-*  | 1-1/4      | 35                | 40        | 3.5                        | 89  | 15.0    | 381   | 1.380       | 1.410 | 1.630        | 1.660 | 35.1        | 35.8  | 41.4         | 42.2  |
| CLGES06G-*  | 1-1/2      | 41                | 50        | 4.5                        | 114 | 17.0    | 432   | 1.575       | 1.600 | 1.865        | 1.900 | 40.0        | 40.6  | 47.4         | 48.3  |
| CLGES07G-*  | 2          | 53                | 63        | 5.5                        | 140 | 22.0    | 559   | 2.020       | 2.045 | 2.340        | 2.375 | 51.3        | 51.9  | 59.4         | 60.3  |
| CLGES08G-*  | 2-1/2      | 63                | 70        | 8.0                        | 203 | 30.0    | 762   | 2.480       | 2.505 | 2.840        | 2.875 | 63.0        | 63.6  | 72.1         | 73.0  |
| CLGES09G-*  | 3          | 78                | 80        | 10.0                       | 254 | 36.0    | 914   | 3.070       | 3.100 | 3.460        | 3.500 | 78.0        | 78.7  | 87.9         | 88.8  |
| CLGES11G-*  | 4          | 103               | 100       | 12.0                       | 305 | 52.0    | 1,321 | 4.000       | 4.040 | 4.460        | 4.500 | 101.6       | 102.6 | 113.3        | 114.3 |

Note: Product must be installed in accordance with applicable national and local electrical codes.

## Contact us

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