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 TECHNICAL DATA SHEET

# Type CLGE - General Purpose CE Certified

## Liquid-tight flexible metallic conduit

### *Steel City® Conduit Systems*



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

#### Certifications / Standards:




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#### 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

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#### Applications:

- General Purpose, commercial grade liquid-tight flexible metallic conduit
- Used extensively where flexibility is necessary for motion, vibration and bending
- Liquid-tight applications against water, oils, mild acids
- For use in electrical circuits up to 1,000 VAC.

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#### 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)

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#### 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)

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#### Chemical resistance guide:

See publication TDS000117

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#### 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)

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#### 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

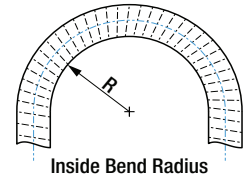
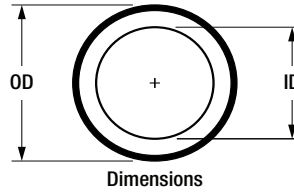
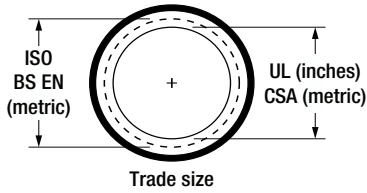
#### IEC system ingress rating:

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

**Type CLGE - General Purpose, CE Certified**  
Product selection and dimensions

**Product selection**

Trade size			Coil Length										
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	0.89
			7TAA012CA0R0005			7TAA012CA0R0015							
2	53	70	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	2.0	51	4.0	102	0.484	0.504	0.690	0.710	12.3	12.8	17.5	18.0
CLGES02G-*	1/2	16	20	3.0	76	5.0	127	0.622	0.642	0.820	0.840	15.8	16.3	20.8	21.3
CLGES03G-*	3/4	21	25	4.2	107	6.0	152	0.820	0.840	1.030	1.050	20.8	21.3	26.2	26.7
CLGES04G-*	1	27	32	5.5	140	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	7.0	178	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	6.0	152	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: Products must be installed in accordance with applicable national and local electrical codes

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