

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

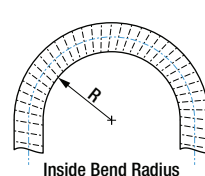
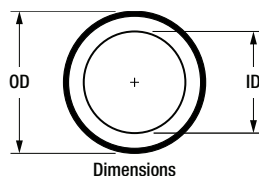
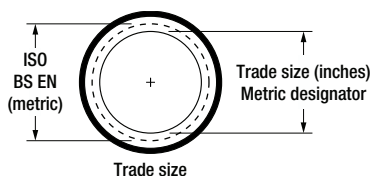


Type CLGE - General purpose CE

Product selection and dimensions

Product selection

Trade size			Coil length											
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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