

Type LTGE - general purpose, CE Certified Liquid-tight flexible metallic conduit

General Purpose, CE compliant 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 requirements, CE compliant
- Trade sizes from 3/8 to 6" (12mm to 155mm)
- Coordinated performance with Series 52/53 Steel Fittings
- Ingress protection ratings aligned with industrial enclosures
- Smooth extruded jackets provide best performance with fittings

Applications:

- General Purpose specification grade liquid-tight flexible metallic conduit
- Used extensively in the machine tool and other industrial environments 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, cutting fluids, mild acids
- For use in electrical circuits up to 1,000 V

Construction / Material / Finish:

- Hot-dipped Zinc Galvanized Steel Core
- PVC (Polyvinyl Chloride) extruded smooth jacket
- Ink jet printed ratings and technical information
- Full range of trade sizes from 3/8 to 6" (12 to 155mm)
 - 3/8 to 2", square lock design with cord filler
 - 2-1/2" to 6", 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 GM7636

T&B Liquidtight Systems™



Certifications / Standards:



Conforms to:

- IEC 61386-1, -23, Conduit Systems for Cable Management
EU Doc: EC-012-16-160
- JIC Mass Production Equipment (Joint Industrial Council)
- RoHS (Restriction of Hazardous Substance Directive)
- WEEE (Waste Electrical & Electronic Equipment Directive)

Standards requirements:

Designed to UL 360 and CSA C22.2 No. 56 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 LTGE Conduits and Series 5200/5300 Liquidtight Fittings
- Covers all trade sizes from 3/8" to 4" (12 .. 103mm)

System ingress ratings:

- Products tested and comply with UL 50/50E and CSA C22.2 No. 94 Type Rating requirements
 - Indoor: Type 4, 12, 13
 - Outdoor: Type 3, 3R, 4
- NEMA 250: Type 3, 3R, 4, 12, 13

IEC system ingress rating:

- IP ingress protection per IEC 60529 requirements
- IEC ingress rating: IP66, IP67

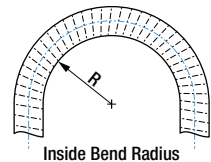
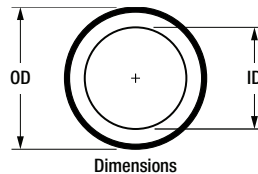
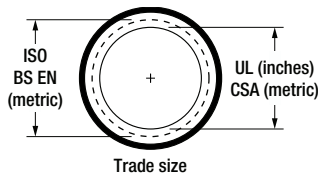


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Product selection and dimensions

Product selection

Trade size			Coil length										
UL	CSA	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	LTGES01G-C 7TAA012LSOR0000	100	30	LTGES01G-K 7TAA012LSOR0024	500	150	LTGES01G-L 7TAA012LSOR0044	1,000	300	0.20	0.30
1/2	16	20	LTGES02G-C 7TAA012LSOR0001	100	30	LTGES02G-K 7TAA012LSOR0025	500	150	LTGES02G-L 7TAA012LSOR0045	1,000	300	0.24	0.36
3/4	21	25	LTGES03G-C 7TAA012LSOR0002	100	30	LTGES03G-K 7TAA012LSOR0026	500	150	LTGES03G-L 7TAA012LSOR0046	1,000	300	0.33	0.49
1	27	32	LTGES04G-C 7TAA012LSOR0003	100	30	LTGES04G-J 7TAA012LSOR0027	400	120	—	—	—	0.53	0.79
1-1/4	35	40	LTGES05G-B 7TAA012LSOR0004	50	15	LTGES05G-E 7TAA012LSOR0028	200	60	—	—	—	0.68	1.01
1-1/2	41	50	LTGES06G-B 7TAA012LSOR0005	50	15	LTGES06G-D 7TAA012LSOR0029	150	45	—	—	—	0.88	1.31
2	53	63	LTGES07G-B 7TAA012LSOR0006	50	15	LTGES07G-C 7TAA012LSOR0030	100	30	—	—	—	1.02	1.52
2-1/2	63	70	LTGES08G-A 7TAA012LSOR0007	25	8	LTGES08G-G 7TAA012LSOR0031	275	80	—	—	—	1.92	2.86
3	78	80	LTGES09G-A 7TAA012LSOR0008	25	8	LTGES09G-P 7TAA012LSOR0032	175	50	—	—	—	2.52	3.75
4	103	100	LTGES11G-A 7TAA012LSOR0009	25	8	LTGES11G-C 7TAA012LSOR0033	100	30	—	—	—	3.50	5.21
5	129	—	LTGES12G-A 7TAA012LSOR0010	25	8	—	—	—	—	—	—	4.68	6.96
6	155	—	LTGES13G-A 7TAA012LSOR0011	25	8	—	—	—	—	—	—	5.72	8.51



Dimensions

Part number	Trade size			Minimum inside bend radius				Inches		Millimeters					
	UL	CSA	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
LTGES01G-*	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
LTGES02G-*	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
LTGES03G-*	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
LTGES04G-*	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
LTGES05G-*	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
LTGES06G-*	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
LTGES07G-*	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
LTGES08G-*	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
LTGES09G-*	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
LTGES11G-*	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
LTGES12G-*	5	129	—	17.5	445	—	—	4.975	5.035	5.505	5.565	126.4	127.9	139.8	141.4
LTGES13G-*	6	155	—	22.5	572	—	—	6.015	6.075	6.565	6.625	152.8	154.3	166.8	168.3

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

Contact us

ABB
Electrification Products
8155 T&B Boulevard
Memphis, TN 38125
www.abb.us/lowvoltage

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