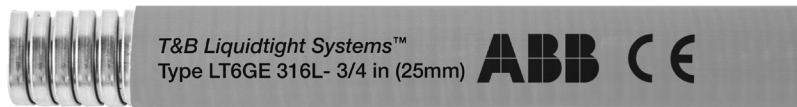

 TECHNICAL DATA SHEET

Type LT6GE - general purpose stainless steel 316L, CE

Liquid-tight flexible metallic conduit

T&B Liquidtight Systems®



Stainless steel 316L general purpose, CE certified liquid-tight flexible metallic conduits provide excellent strength, corrosion protection and liquid-tight performance

Certifications / Standards:


Features:

- Designed to meet UL 360 ID/OD dimension requirements
- Full compliance to IEC/EN 61386-1 requirements, CE certified
- Trade sizes from 3/8" to 4" (12mm to 100mm)
- Coordinated performance with series 5300SST6 stainless steel 316 fittings
- Smooth extruded jackets provide best performance with fittings

Applications:

- General purpose, industrial grade liquid-tight flexible metallic conduit
- Used extensively in corrosive environments and where flexibility is necessary for motion, vibration and bending
- Typical applications include water/wastewater plants, food & beverage installations, chemical processing plants, marine and salt environments, pulp and paper
- Sunlight resistant jacket material allows 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:

- Stainless steel 316L 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 150mm) 3/8" to 4", fully interlocked design
- Color: Gray (standard)

Environment ratings:
Working Temperature:

- Gen:
 - Dry: -55 to +105°C (-67 to +221°F)
- IEC/CE:
 - Gen: -45 to +105°C (-49 to +221°F)

Chemical resistance guide:

- See publication TDS000117

Conforms to:

- IEC/EN 61386-1, -23, Conduit Systems for Cable Management
EU DoC: EC-012-17-177
- CE (Conformité Européenne, European Conformity)
- RoHS (Restriction of Hazardous Substances directive)

Standards requirements:

Designed to UL 360 and CSA 22.2, No. 56 standard requirements for ID and OD dimensions.

Meets all IEC/EN 61386-23 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.
- This product is designed for use in specific applications where UL, CSA or other agency approvals are not required.

Ingress protection:

- Covers all trade sizes from 3/8" to 4" (12mm to 103mm)

System ingress ratings:

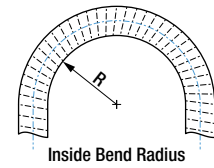
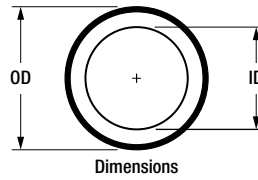
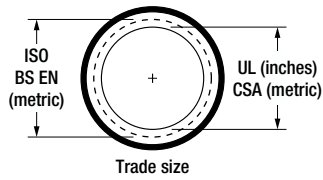
- Products tested and comply with UL 50E and CSA C22.2, No. 94.2 Type Rating requirements
 - Indoor: NEMA 4, 4X, 12, 13
 - Outdoor: NEMA 3, 3R, 4, 4X
- NEMA 250: NEMA 3, 3R, 4, 4X, 12, 13

IEC system ingress rating:

- IP ingress protection per IEC/EN 60529 requirements
- IEC ingress ratings: IP66, IP67

Type LT6GE – general purpose stainless steel 316L, CE
Product selection and dimensions

Product selection																
Trade size			Carton						Coil length				Weight			
Inches	mm	ISO BS EN	Part no./GID		Feet	Meter	Part no./GID		Feet	Meter	Part no./GID		Feet	Meter	lbs/ft	kg/m
			mm	Part no./GID			Part no./GID	Part no./GID								
3/8	12	16	LT6GES01G-C	7TAA012LVOR0000	100	30	LT6GES01G-K	7TAA012LVOR0010	500	150	LT6GES01G-L	7TAA012LVOR0017	1,000	300	0.23	0.34
1/2	16	20	LT6GES02G-C	7TAA012LVOR0001	100	30	LT6GES02G-K	7TAA012LVOR0011	500	150	LT6GES02G-L	7TAA012LVOR0018	1,000	300	0.28	0.42
3/4	21	25	LT6GES03G-C	7TAA012LVOR0002	100	30	LT6GES03G-K	7TAA012LVOR0012	500	150	LT6GES03G-L	7TAA012LVOR0019	1,000	300	0.38	0.57
1	27	32	LT6GES04G-C	7TAA012LVOR0003	100	30	LT6GES04G-J	7TAA012LVOR0013	400	120	—	—	—	—	0.62	0.92
1 1/4	35	40	LT6GES05G-B	7TAA012LVOR0004	50	15	LT6GES05G-E	7TAA012LVOR0014	200	60	—	—	—	—	0.79	1.18
1 1/2	41	50	LT6GES06G-B	7TAA012LVOR0005	50	15	LT6GES06G-D	7TAA012LVOR0015	150	45	—	—	—	—	1.03	1.53
2	53	63	LT6GES07G-B	7TAA012LVOR0006	50	15	LT6GES07G-C	7TAA012LVOR0016	100	30	—	—	—	—	1.19	1.77
2 1/2	63	70	LT6GES08G-A	7TAA012LVOR0007	25	8	—	—	—	—	—	—	—	—	2.09	3.11
3	78	80	LT6GES09G-A	7TAA012LVOR0008	25	8	—	—	—	—	—	—	—	—	2.95	4.39
4	103	100	LT6GES11G-A	7TAA012LVOR0009	25	8	—	—	—	—	—	—	—	—	4.10	6.10



Dimensions															
Part No:	Trade size			Minimum inside bend radius				Inches				Millimeters			
	Inches	mm	ISO BS EN	Static		Dynamic		Inside (ID)		Outside (OD)		Inside (ID)		Outside (OD)	
				mm	Inches	mm	Inches	Min	Max	Min	Max	Min	Max	Min	Max
LT6GES01G-*	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
LT6GES02G-*	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
LT6GES03G-*	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
LT6GES04G-*	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
LT6GES05G-*	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
LT6GES06G-*	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
LT6GES07G-*	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
LT6GES08G-*	2 1/2	63	70	8.0	203	29.0	737	2.480	2.505	2.840	2.875	63.0	63.6	72.1	73.0
LT6GES09G-*	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
LT6GES11G-*	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.

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