

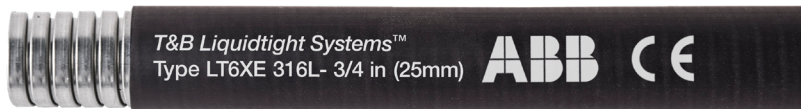
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 TECHNICAL DATA SHEET

# Type LT6XE - extreme temperature 316L stainless steel, CE

## Liquid-tight flexible metallic conduit

### T&B Liquidtight Systems®



Stainless steel 316L extreme temperature, CE certified liquid-tight flexible metallic conduits provide excellent performance in extreme temperature and highly corrosive environments

**Certifications / Standards:**



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**Features:**

- Designed to meet UL 360 ID/OD dimension requirements
- Full compliance to IEC/EN 61386-1 requirements, CE certified
- Extreme temperature range from -60 to +150°C (-76 to +302°F)
- Trade sizes from 3/8" to 4" (12mm to 103mm)
- Coordinated performance with series 5300SST6HT stainless steel fittings
- Smooth extruded jackets provide best performance with fittings

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**Applications:**

- The LT6XE flexible metallic conduit is used in extremely high temperature applications such as commercial ovens and refrigeration, industrial furnaces and foundries
- Used extensively in corrosive environments and where flexibility is necessary for motion, vibration and bending
- Ideal for use in outdoor applications for extreme environments
- Liquid-tight applications against water, oils, cutting fluids, mild acids
- For use in electrical circuits up to 1,000 V

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**Construction / Material / Finish:**

- Stainless steel 316L core
- TPR (Thermoplastic Rubber), extruded smooth jacket Halogen free, UV stabilized and UL94-HB flame rating
- Ink jet printed ratings and technical information
- Full range of trade sizes from 3/8" to 4" (12mm to 103mm) 3/8" to 4", fully interlocked design
- Color: Black (standard))

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**Environment ratings:**
**Working Temperature:**

- Gen:
  - Dry: -60 to +150°C (-76 to +302°F)
  - Dry: -60 to +165°C (-76 to +329°F) Intermittent
- IEC/CE:
  - Gen: -45 to +150°C (-49 to +302°F)

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**Chemical resistance guide:**

- See publication TDS000117

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**Conforms to:**

- IEC/EN 61386-1, -23, Conduit Systems for Cable Management  
EU DoC: EC-012-17-178
- CE (Conformité Européenne, European Conformity)
- RoHS (Restriction of Hazardous Substances directive)

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**Standards requirements:**

**Designed to UL 360 and CSA 22.2, No. 56 standard requirements 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.

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**Ingress protection:**

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

**System ingress ratings:**

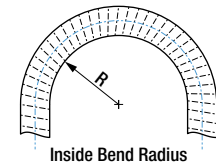
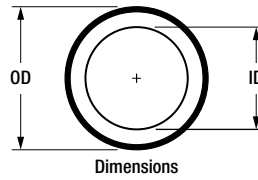
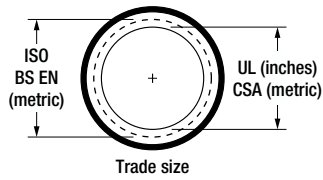
- Products tested and comply with UL 50E and CSA C22.2, No. 94.2 Type Rating requirements
  - Indoor: NEMA 4, 4X, 12, 13
  - Outdoor: NEMA 3, 3R, 4, 4X
- NEMA 250: NEMA 3, 3R, 4, 4X, 12, 13

**IEC system ingress rating:**

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

**Liquid-tight flexible metallic conduit, type LT6GE**  
 Extreme temperature 316L stainless steel, CE

Product selection																
Trade size			Carton						Coil length				Weight			
Inches	mm	ISO BS EN	Part no./GID		Feet	Meter	Part no./GID		Feet	Meter	Bulk reel		lbs/ft	kg/m		
			mm	Part no./GID			Part no./GID	Feet			Meter					
3/8	12	16	LT6XES01B-C	7TAA012LW0R0000	100	30	LT6XES01B-K	7TAA012LW0R0010	500	150	LT6XES01B-L	7TAA012LW0R0017	1,000	300	0.23	0.34
			LT6XES02B-C	7TAA012LW0R0001	100	30	LT6XES02B-K	7TAA012LW0R0011	500	150	LT6XES02B-L	7TAA012LW0R0018	1,000	300	0.28	0.42
3/4	21	25	LT6XES03B-C	7TAA012LW0R0002	100	30	LT6XES03B-K	7TAA012LW0R0012	500	150	LT6XES03B-L	7TAA012LW0R0019	1,000	300	0.38	0.57
			LT6XES04B-C	7TAA012LW0R0003	100	30	LT6XES04B-J	7TAA012LW0R0013	400	120	—	—	—	—	0.62	0.92
1 1/4	35	40	LT6XES05B-B	7TAA012LW0R0004	50	15	LT6XES05B-E	7TAA012LW0R0014	200	60	—	—	—	—	0.79	1.18
			LT6XES06B-B	7TAA012LW0R0005	50	15	LT6XES06B-D	7TAA012LW0R0015	150	45	—	—	—	—	1.03	1.53
2	53	63	LT6XES07B-B	7TAA012LW0R0006	50	15	LT6XES07B-C	7TAA012LW0R0016	100	30	—	—	—	—	1.19	1.77
			LT6XES08B-A	7TAA012LW0R0007	25	8	—	—	—	—	—	—	—	—	2.07	3.08
3	78	80	LT6XES09B-A	7TAA012LW0R0008	25	8	—	—	—	—	—	—	—	—	2.95	4.39
			LT6XES11B-A	7TAA012LW0R0009	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
LT6XES01B-*	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
LT6XES02B-*	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
LT6XES03B-*	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
LT6XES04B-*	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
LT6XES05B-*	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
LT6XES06B-*	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
LT6XES07B-*	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
LT6XES08B-*	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
LT6XES09B-*	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
LT6XES11B-*	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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