

Type LT6XE - extreme temperature 316L stainless steel, CE Liquid-tight flexible metallic conduit

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

Features & Benefits:

- 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
- Ingress protection ratings aligned with industrial enclosures
- Smooth extruded jackets provide best performance with fittings

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

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)

Environment ratings:

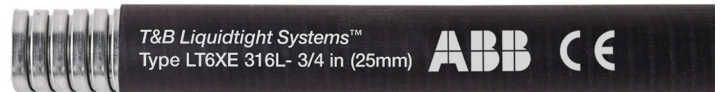
Working Temperature:

- 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)

Chemical resistance guide:

- See publication TDS000117

T&B Liquidtight Systems™



Certifications / Standards:



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)

Standards requirements:

Designed to UL 360 and CSA C22.2, No. 56 standard requirements including:

- 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.

Ingress protection:

- Provides "Ingress Integrity" between enclosures, fittings, conduits & seal gaskets when using LT6XE conduits and series 5300SST6HT liquidtight fittings
- 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 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/EN 60529 requirements
- IEC ingress ratings: IP66, IP67

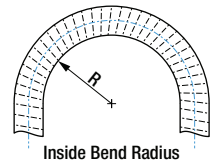
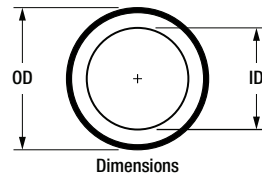
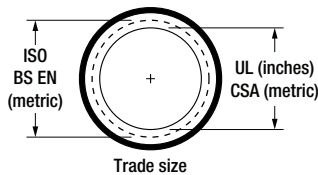


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Product selection and dimensions

Product selection

Trade size			Coil length										Weight	
UL	CSA	ISO BS EN	Carton		Standard reel				Bulk reel				lbs/ft	kg/m
Inches	mm	mm	Part No./GID	Feet	Meter	Part No./GID	Feet	Meter	Part No./GID	Feet	Meter			
3/8	12	16	LT6XES01B-C	100	30	LT6XES01B-K	500	150	LT6XES01B-L	1,000	300	0.23	0.34	
			7TAA012LW0R0000			7TAA012LW0R0010			7TAA012LW0R0017					
1/2	16	20	LT6XES02B-C	100	30	LT6XES02B-K	500	150	LT6XES02B-L	1,000	300	0.28	0.42	
			7TAA012LW0R0001			7TAA012LW0R0011			7TAA012LW0R0018					
3/4	21	25	LT6XES03B-C	100	30	LT6XES03B-K	500	150	LT6XES03B-L	1,000	300	0.38	0.57	
			7TAA012LW0R0002			7TAA012LW0R0012			7TAA012LW0R0019					
1	27	32	LT6XES04B-C	100	30	LT6XES04B-J	400	120	—	—	—	0.62	0.92	
			7TAA012LW0R0003			7TAA012LW0R0013								
1-1/4	35	40	LT6XES05B-B	50	15	LT6XES05B-E	200	60	—	—	—	0.79	1.18	
			7TAA012LW0R0004			7TAA012LW0R0014								
1-1/2	41	50	LT6XES06B-B	50	15	LT6XES06B-D	150	45	—	—	—	1.03	1.53	
			7TAA012LW0R0005			7TAA012LW0R0015								
2	53	63	LT6XES07B-B	50	15	LT6XES07B-C	100	30	—	—	—	1.19	1.77	
			7TAA012LW0R0006			7TAA012LW0R0016								
2-1/2	63	70	LT6XES08B-A	25	8	—	—	—	—	—	—	2.07	3.08	
			7TAA012LW0R0007											
3	78	80	LT6XES09B-A	25	8	—	—	—	—	—	—	2.95	4.39	
			7TAA012LW0R0008											
4	103	100	LT6XES11B-A	25	8	—	—	—	—	—	—	4.10	6.10	
			7TAA012LW0R0009											



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	Inches	mm	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.

Contact us

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