

Type LT6FE - food & beverage stainless steel 316L, CE Liquid-tight flexible metallic conduit

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

Features & Benefits:

- FDA compliant PVC jacket with stainless steel 316L core
- NSF 169 certified for special purpose for food equipment
- 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
- Ingress protection ratings aligned with industrial enclosures
- Smooth extruded jackets provide best performance with fittings

Applications:

- Food and beverage, stainless steel 316L liquid-tight flexible metallic conduit
- Smooth extruded jacket formulated for "splash zone" food and beverage contact
- PVC smooth jacket material will not promote bacteria growth and provides easy washdown
- Used extensively in food processing equipment and corrosive environments where flexibility is necessary for motion, vibration and bending
- Typical applications include food and beverage equipment for grinding, mixing, processing packaging, canning, and bottling machinery
- Sunlight resistant jacket material allows this product to be used in outdoor applications
- Liquid-tight applications against water, oils, mild acids and cleaners
- For use in electrical circuits up to 1,000 V

Construction / Material / Finish:

- Stainless Steel 316L core
- PVC (Polyvinyl Chloride) FDA CFR21 and NSF 51/61 compliant compound
- 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: White (standard)

Environment ratings:

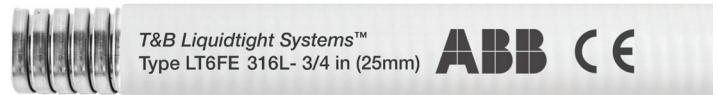
Working Temperature:

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

Chemical resistance guide:

- Resistant to Sodium Hypochlorite (bleach)
- See publication TDS000117

T&B Liquidtight Systems™



Certifications / Standards:



Conforms to:

- IEC/EN 61386-1, -23, Conduit Systems for Cable Management
EU DoC: EC-012-17-176
- CE (Conformité Européenne, European Conformity)
- NSF Certified (3/8 to 2" sizes only)
NSF/ANSI 169 Special Purpose for Food Equipment
- 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 LT6FE conduits and series 5300SST6 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

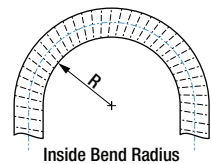
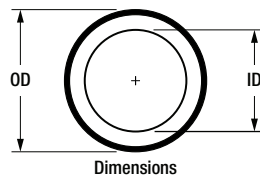
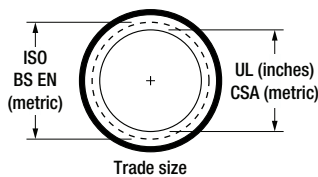


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Product selection and dimensions

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	lbs/ft	kg/m	
3/8	12	16	LT6FES01W-C	100	30	LT6FES01W-K	500	150	LT6FES01W-L	1,000	300	0.23	0.34	
			7TAA012LX0R0000			7TAA012LX0R0010			7TAA012LX0R0017					
1/2	16	20	LT6FES02W-C	100	30	LT6FES02W-K	500	150	LT6FES02W-L	1,000	300	0.28	0.42	
			7TAA012LX0R0001			7TAA012LX0R0011			7TAA012LX0R0018					
3/4	21	25	LT6FES03W-C	100	30	LT6FES03W-K	500	150	LT6FES03W-L	1,000	300	0.38	0.57	
			7TAA012LX0R0002			7TAA012LX0R0012			7TAA012LX0R0019					
1	27	32	LT6FES04W-C	100	30	LT6FES04W-J	400	120	—	—	—	0.62	0.92	
			7TAA012LX0R0003			7TAA012LX0R0013			—					
1-1/4	35	40	LT6FES05W-B	50	15	LT6FES05W-E	200	60	—	—	—	0.79	1.18	
			7TAA012LX0R0004			7TAA012LX0R0014			—					
1-1/2	41	50	LT6FES06W-B	50	15	LT6FES06W-D	150	45	—	—	—	1.03	1.53	
			7TAA012LX0R0005			7TAA012LX0R0015			—					
2	53	63	LT6FES07W-B	50	15	LT6FES07W-C	100	30	—	—	—	1.19	1.77	
			7TAA012LX0R0006			7TAA012LX0R0016			—					
2-1/2	63	70	LT6FES08W-A	25	8	—	—	—	—	—	—	2.09	3.11	
			7TAA012LX0R0007			—			—					
3	78	80	LT6FES09W-A	25	8	—	—	—	—	—	—	2.95	4.39	
			7TAA012LX0R0008			—			—					
4	103	100	LT6FES11W-A	25	8	—	—	—	—	—	—	4.10	6.10	
			7TAA012LX0R0009			—			—					



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	Inches	mm	Min	Max	Min	Max	Min	Max
LT6FES01W-*	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
LT6FES02W-*	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
LT6FES03W-*	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
LT6FES04W-*	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
LT6FES05W-*	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
LT6FES06W-*	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
LT6FES07W-*	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
LT6FES08W-*	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
LT6FES09W-*	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
LT6FES11W-*	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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