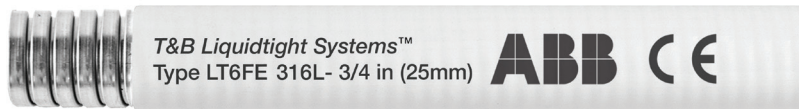


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 TECHNICAL DATA SHEET

# Type LT6FE - Food & Beverage stainless steel 316L, CE White Antimicrobial\* LFMC

## T&B Liquidtight Systems®



Stainless steel 316L food & beverage, CE certified liquid-tight flexible metallic conduits provide excellent strength, corrosion protection and antimicrobial\* jacket material

**Certifications / Standards:**



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**Features:**

- FDA compliant PVC antimicrobial\* 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
- Smooth extruded jackets provide best performance with fittings

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**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

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**Construction / Material / Finish:**

- Stainless Steel 316L core
- PVC antimicrobial\* 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)

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**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)

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**Chemical resistance guide:**

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

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**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)

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**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.

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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

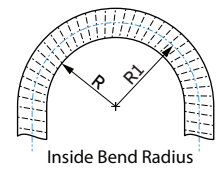
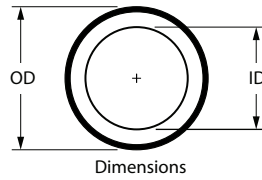
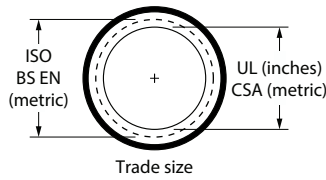
**IEC system ingress rating:**

- IP ingress protection per IEC/EN 60529 requirements
- IEC ingress ratings: IP66, IP67, IP68, IP69

\* Antimicrobial properties are limited to the product only.

Liquid-tight flexible metallic conduit, type LT6FE  
 Food & beverage antimicrobial\* stainless steel 316L, CE

Product selection																
Trade size			Carton						Coil length				Weight			
Inches	mm	ISO BS EN	Part no./GID		Feet		Meter		Part no./GID		Feet		Meter		lbs/ft	kg/m
			Part no./GID	Part no./GID	Feet	Meter	Part no./GID	Part no./GID	Feet	Meter						
½	16	20	LT6FES02W-C	LT6FES02W-K	100	30	500	150	LT6FES02W-A	25	8	0.28	0.42			
			7TAA012LXOR0001	7TAA012LXOR0011			7TAA012LXOR0020									
¾	21	25	LT6FES03W-C	LT6FES03W-K	100	30	500	150	LT6FES03W-A	25	8	0.38	0.57			
			7TAA012LXOR0002	7TAA012LXOR0012			7TAA012LXOR0021									
1	27	32	LT6FES04W-C	LT6FES04W-J	100	30	400	120	LT6FES04W-A	25	8	0.62	0.92			
			7TAA012LXOR0003	7TAA012LXOR0013			7TAA012LXOR0022									
1¼	35	40	LT6FES05W-B	LT6FES05W-E	50	15	200	60	—	—	—	0.79	1.18			
			7TAA012LXOR0004	7TAA012LXOR0014			—	—	—							
1½	41	50	LT6FES06W-B	LT6FES06W-D	50	15	150	45	—	—	—	1.03	1.53			
			7TAA012LXOR0005	7TAA012LXOR0015			—	—	—							
2	53	63	LT6FES07W-B	LT6FES07W-C	50	15	100	30	—	—	—	1.19	1.77			
			7TAA012LXOR0006	7TAA012LXOR0016			—	—	—							
2½	63	70	LT6FES08W-A	—	25	8	—	—	—	—	—	2.09	3.11			
			7TAA012LXOR0007	—			—	—	—							
3	78	80	LT6FES09W-A	—	25	8	—	—	—	—	—	2.95	4.39			
			7TAA012LXOR0008	—			—	—	—							
4	103	100	LT6FES11W-A	—	25	8	—	—	—	—	—	4.10	6.10			
			7TAA012LXOR0009	—			—	—	—							



Dimensions																	
Part No:	Trade size			Minimum inside bend radius (R1)		Minimum inside bend radius (R)				Inches				Millimeters			
	Inches	mm	ISO BS EN	NEC Ch. 9 Table 2		Static		Dynamic		Inside (ID)		Outside (OD)		Inside (ID)		Outside (OD)	
				mm	Inches	mm	Inches	mm	Inches	mm	Inches	Min	Max	Min	Max	Min	Max
LT6FES02W-*	½	16	20	4.0	101.6	3.0	76	5.0	127	0.622	0.642	0.820	0.840	15.8	16.3	20.8	21.3
LT6FES03W-*	¾	21	25	5.0	127.0	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	6.0	152.4	5.5	140	12.0	305	1.041	1.066	1.290	1.315	26.4	27.1	32.8	33.4
LT6FES05W-*	1¼	35	40	8.0	203.2	7.0	178	15.0	381	1.380	1.410	1.630	1.660	35.1	35.8	41.4	42.2
LT6FES06W-*	1½	41	50	10.0	254.0	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	12.0	304.8	6.0	152	22.0	559	2.020	2.045	2.340	2.375	51.3	51.9	59.4	60.3
LT6FES08W-*	2½	63	70	15.0	381.0	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	18.0	457.2	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	24.0	609.6	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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