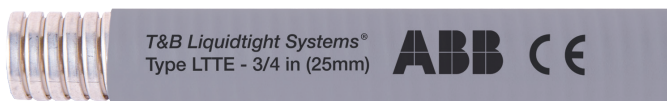

 TECHNICAL DATA SHEET

Type LTTE – Wide Temperature, CE Certified

Liquid-tight flexible metallic conduit

T&B Liquidtight Systems®

Wide Temperature, CE Certified Liquid-tight Flexible Metallic Conduits provide excellent performance in low and high temperatures



Certifications / Standards:



Features & Benefits:

- Designed to meet UL 360 ID/OD dimension requirements
- Full compliance to IEC 61386-1, -23 requirements, CE Certified
- Wide temperature range from -55 to +105°C (-67 to +221°F)
- Trade sizes from 3/8" to 6" (12mm to 155mm)
- Coordinated performance with Series 52/53 Steel Fittings
- Ingress protection ratings aligned with industrial enclosures
- Smooth extruded jackets provide best performance with fittings

Applications:

- The LTTE flexible metallic conduit is used with high temperature machine tool wiring
- Ideal for use in outdoor applications for cold environments
- Liquid tight applications against water, oils, cutting fluids, mild acids
- For use in electrical circuits up to 1,000 V

Construction / Material / Finish:

- Hot-dipped Zinc Galvanized Steel Core
- PVC (Polyvinyl Chloride) extruded smooth jacket
- Ink jet printed ratings and technical information
- Full range of trade sizes from 3/8" to 6" (12 to 155mm)
 - 3/8" to 2", square lock design with cord filler
 - 2-1/2" to 6", fully interlocked design
- Colors: Machine tool gray (standard)

Environment ratings:

Working Temperature:

- Gen: Dry: -55 to +105°C (-67 to +221°F)
- Gen: Dry: -55 to +120°C (-67 to +224°F) Intermittent
- IEC/CE: Gen: -45 to +105°C (-49 to +221°F)

Chemical resistance guide:

- See publication TDS000117

Conforms to:

- IEC 61386-1, -23, Conduit Systems for Cable Management
 - EU Doc: EC-012-16-156
- RoHS (Restriction of Hazardous Substance Directive)

Standards requirements:

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

- ID and OD Dimensions

Meets all IEC 61386-1, -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 & seals when using LTTE Conduits and Series 5200/5300 Liquidtight Fittings
- Covers all trade sizes from 3/8" to 4" (12 .. 103mm)

System ingress ratings:

- Products tested and comply with UL 50/50E 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

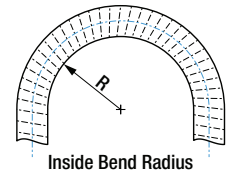
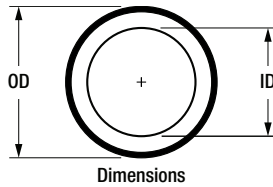
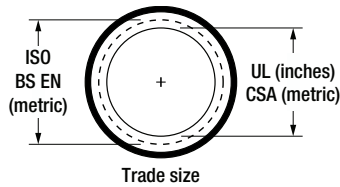
IEC system ingress rating:

- IP ingress protection per IEC 60529 requirements
- IEC ingress rating: IP66, IP67

Type LTTE - Wide Temperature, CE Certified
Product selection and dimensions

Product selection

Trade size			Coil Length										
UL	CSA	ISO BS EN	Carton		Standard reel			Bulk reel			Weight		
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	LTTES01G-C	100	30	LTTES01G-K	500	150	LTTES01G-L	1,000	300	0.20	0.30
			7TAA012LC0R0000			7TAA012LC0R0012			7TAA012LC0R0022				
1/2	16	20	LTTES02G-C	100	30	LTTES02G-K	500	150	LTTES02G-L	1,000	300	0.24	0.36
			7TAA012LC0R0001			7TAA012LC0R0013			7TAA012LC0R0023				
3/4	21	25	LTTES03G-C	100	30	LTTES03G-K	500	150	LTTES03G-L	1,000	300	0.33	0.49
			7TAA012LC0R0002			7TAA012LC0R0014			7TAA012LC0R0024				
1	27	32	LTTES04G-C	100	30	LTTES04G-J	400	120	-	-	-	0.53	0.79
			7TAA012LC0R0003			7TAA012LC0R0015							
1 1/4	35	40	LTTES05G-B	50	15	LTTES05G-E	200	60	-	-	-	0.68	1.01
			7TAA012LC0R0004			7TAA012LC0R0016							
1 1/2	41	50	LTTES06G-B	50	15	LTTES06G-D	150	45	-	-	-	0.88	1.31
			7TAA012LC0R0005			7TAA012LC0R0017							
2	53	70	LTTES07G-B	50	15	LTTES07G-C	100	30	-	-	-	1.02	1.52
			7TAA012LC0R0006			7TAA012LC0R0018							
2 1/2	63	70	LTTES08G-A	25	8	LTTES08G-G	275	80	-	-	-	1.92	2.86
			7TAA012LC0R0007			7TAA012LC0R0019							
3	78	80	LTTES09G-A	25	8	LTTES09G-P	175	50	-	-	-	2.52	3.75
			7TAA012LC0R0008			7TAA012LC0R0020							
4	103	100	LTTES11G-A	25	8	LTTES11G-C	100	30	-	-	-	3.50	5.21
			7TAA012LC0R0009			7TAA012LC0R0021							
5	129	-	LTTES12G-A	25	8	-	-	-	-	-	-	4.68	6.96
			7TAA012LC0R0010										
6	155	-	LTTES13G-A	25	8	-	-	-	-	-	-	5.72	8.51
			7TAA012LC0R0011										



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	mm	Inches	mm	Inches	mm	Min	Max	Min	Max	Min	Max	Min	Max
LTTES01G-*	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
LTTES02G-*	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
LTTES03G-*	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
LTTES04G-*	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
LTTES05G-*	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
LTTES06G-*	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
LTTES07G-*	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
LTTES08G-*	2 1/2	63	70	8.0	203	30.0	762	2.480	2.505	2.840	2.875	63.0	63.6	72.1	73.0
LTTES09G-*	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
LTTES11G-*	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
LTTES12G-*	5	129	-	17.5	445	-	-	4.975	5.035	5.505	5.565	126.4	127.9	139.8	141.4
LTTES13G-*	6	155	-	22.5	572	-	-	6.015	6.075	6.565	6.625	152.8	154.3	166.8	168.3

Note: Products must be installed in accordance with applicable national and local electrical codes

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