

Quick Select Table: LTAE Aluminum, CE



LT Fitting Ingress Ratings: ¹⁾

UL Indoor: Type 4, 12, 13
 UL Outdoor: Type 3, 3R, 4
 CSA: Type 3, 3R, 4, 12, 13
 NEMA: Type 3, 3R, 4, 4X, 12, 13
 IEC Ingress: IP66, IP67, IP68, IP69

System Temperature Ratings:

Gen: Dry: -20 to +80°C (-4 to +176°F)
 IEC/CE: Gen: -15 to +60°C (+5 to +140°F)

System Ingress Ratings:

NEMA: Type 3, 3R, 4, 4X, 12, 13

LTAE Liquid-tight Flexible Metallic Conduit References:

Technical Data Sheet: TDS000008
 Chemical Resistance Guide: GM7656
 IEC 61386-1, -23 EU Doc: EC-012-16-162
 Manufactured to UL 360 ID/OD Dimensions

Series 52/53 Liquid-tight Fitting References:

Technical Data Sheet: TDS000118 (Aluminum)
 Technical Data Sheet: TDS000122 (Stainless Steel)
 Technical Data Sheet: TDS000122 (Nickel Plated Brass)
 UL 514B
 CSA C22.2, No. 56
 IEC 61386-1, -23
 UL File: E23018
 CSA File: LR-4484
 EU Doc: Contact T&B Tech Support

Typical Applications: Type LTAE Aluminum used where corrosion resistance and light weight conduit systems are required

Liquid-tight Flexible Metallic Conduit										Fittings															Accessories											
Core Material: Aluminum Jacket Material: PVC, Smooth, Machine Tool Gray Copper Bonding Wire: None										Aluminum			Ser. 5200AL Aluminum Liquid-tight			Ser. 5300 Stainless Steel 4X Liquid-tight			Ser. 5300 Nickel Plated Brass 4X Liquid-tight			Ser. 5300 Steel Liquid-tight														
Trade Size Reference		Carton ²⁾		Technical				Type		Non-Insulated			Insulated			Insulated			Insulated			All														
UL	CSA	ISO/BSEN	Part No.	Feet	Meters	UL Bond Wire	ID Range (Nominal)	Min. Static Bend Radius	Std.	Thread	Straight	45°	90°	All	Straight	45°	90°	Straight	45°	90°	Straight	45°	90°	Straight	45°	90°	All	Sealing Gasket	Locknuts SST	Locknuts NPB	Wire Mesh Grids	SST Conduit Support				
Inch	Metric	Metric	Part No.	Feet	Meters	Wire	Inch	mm	Inch	mm	Part No.	Part No.	Part No.	Suffix ³⁾	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Suffix ⁴⁾	Part No.	Part No.	Part No.	Part No.	Part No.				
3/8"	12mm	16mm	LTAF501G-C	100	30	No	0.484 to 0.505 (0.493)	12.3 to 12.8 (12.5)	2.0"	51mm	NPT 1/2"	5233AL	5253AL	GR	5231SST6	5243SST6	5253SST6	5231-NB	5243-NB	5253-NB	5231	5243	5253	GR	5261	5262	5263	GR	5261	1415SST	LNB/038	LNB/M16	WMG-LT1	HS101-SS HS901-SS		
1/2"	16mm	20mm	LTAF502G-C	100	30	No	0.622 to 0.642 (0.632)	15.8 to 16.3 (16.0)	2.5"	64mm	NPT 1/2"	5232AL	5252AL	GR	5232SST6	5242SST6	5252SST6	5232-NB	5242-NB	5252-NB	5232	5242	5252	GR	5262	5263	5264	GR	5262	1415SST	LNB/050	LNB/M20	WMG-LT2	HS102-SS HS902-SS		
3/4"	21mm	25mm	LTAF503G-C	100	30	No	0.820 to 0.840 (0.830)	20.8 to 21.3	3.0"	76mm	NPT 3/4"	5233AL	5253AL	GR	5233SST6	5243SST6	5253SST6	5233-NB	5243-NB	5253-NB	5233	5243	5253	GR	5263	5264	5265	GR	5263	1415SST	LNB/075	LNB/M25	WMG-LT3	HS103-SS HS903-SS		
1"	27mm	32mm	LTAF504G-C	100	30	No	1.041 to 1.066 (1.053)	25.4 to 27.1	4.0"	102mm	NPT 1"	5234AL	5254AL	GR	5234SST6	5244SST6	5254SST6	5234-NB	5244-NB	5254-NB	5234	5244	5254	GR	5264	5265	5266	GR	5264	1415SST	LNB/100	LNB/M32	WMG-LT4	HS104-SS HS904-SS		
1-1/4"	35mm	40mm	LTAF505G-B	50	15	No	1.380 to 1.410 (1.395)	35.1 to 35.8	4.5"	114mm	NPT 1-1/4"	5235AL	5255AL	GR	5235SST6	5245SST6	5255SST6	5235-NB	5245-NB	5255-NB	5235	5245	5255	GR	5265	5266	5267	GR	5265	1415SST	LNB/125	LNB/M40	WMG-LT5	HS105-SS HS905-SS		
1-1/2"	41mm	50mm	LTAF506G-B	50	15	No	1.575 to 1.600 (1.587)	40.0 to 40.6	5.5"	140mm	NPT 1-1/2"	5236AL	5256AL	GR	5236SST6	5246SST6	5256SST6	5236-NB	5246-NB	5256-NB	5236	5246	5256	GR	5266	5267	5268	GR	5266	1415SST	LNB/150	LNB/M50	WMG-LT6	HS106-SS HS906-SS		
2"	53mm	63mm	LTAF507G-B	50	15	No	2.020 to 2.045 (2.032)	51.3 to 51.9	7.0"	178mm	NPT 2"	5237AL	5257AL	GR	5237SST6	5247SST6	5257SST6	5237-NB	5247-NB	5257-NB	5237	5247	5257	GR	5267	5268	5269	GR	5267	1415SST	LNB/200	LNB/M63	WMG-LT7	HS107-SS HS907-SS		
2-1/2"	63mm	70mm	LTAF508G-A	25	8	No	2.480 to 2.505 (2.492)	63.0 to 63.6	9.5"	241mm	NPT 2-1/2"	5238AL						5238-NB-61			5238	5248	5258	GR	5268				5268				Std.	WMG-LT8	HS108-SS HS908-SS	
3"	78mm	80mm	LTAF509G-A	25	8	No	3.070 to 3.100 (3.085)	78.0 to 78.7	11.5"	292mm	NPT 3"	5239AL						5239-NB-61			5239			GR	5269				5269				Std.	WMG-LT9	HS109-SS HS909-SS	
4"	103mm	100mm	LTAF511G-A	25	8	No	4.000 to 4.040 (4.020)	101.6 to 105.6	14.0"	356mm	NPT 4"	5240AL						5238-NB-61			5240			GR	5270				5270				Std.	WMG-LT10	HS110-SS HS910-SS	
5"	129mm		LTAF512G-A	25	8	No	4.975 to 5.035 (5.005)	126.4 to 127.9	20.0"	508mm	NPT 5"																									
6"	155mm		LTAF513G-A	25	8	No	6.015 to 6.075 (6.045)	152.8 to 154.3	22.5"	572mm	NPT 6"																									

Attn: T&B Liquidtight Systems™ Quick Select Tables are intended to assist users with recommended component selection for Cable Protection System solutions. Final component selection is the responsibility of the user based on actual application, standards and local electrical code requirements. The information in this QTS is regularly updated and is subject to change at the discretion of T&B/ABB. Go to <https://library.abb.com/> for latest document revision.

Warning: The LTAE conduit cannot be used as Equipment Grounding or Bonding Conductors per NEC.

Notes:

- Sealing Gasket required to achieve ingress ratings
- Packaging lengths available in cartons, standard reels and bulk reels, see publication TDS000008 for details
- Grounding Fittings available for NPT threaded versions, add suffix GR to the part number for ordering. Example: 5233ALGR
- Ser. 5200/5300 Steel & Malleable Iron Fittings can be used, evaluate fittings for appropriate use in applications where severe corrosive environments exist
- Metric thread fittings provided with integrated seal o-ring as standard

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