

Quick Select Table: LTAE Aluminum, CE



System Ingress Ratings: ¹⁾

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

System Temperature Ratings:

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

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:

Customer Drawing: AS72477
 Chemical Resistance Guide: Contact T&B Tech Support
 UL 514B UL File: E23018
 CSA C22.2, No. 56 CSA File: LR-4484
 IEC 61386-1, -23 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: Galvanized Steel Jacket Material: PVC, Smooth, Machine Tool Gray Copper Bonding Wire: None											Steel, Malleable Iron Zinc Chromate																						
											Series 5200AL Liquidtight						Series 5200/5300-PT Liquidtight - Quick Connect																
											Insulated			Non-Insulated			All		Insulated			Non-Insulated											
Trade Size Reference			Carton ²⁾		Technical				Type		Straight			45°			90°			All		Straight			45°		90°		Sealing Gasket	Wire Mesh Grips	Conduit Support	Ty-Rap ⁵⁾	
UL	CSA	ISO/BSEN	Part No.	Feet	Meters	UL Bond Wire	ID Range (Nominal)		Min. Static Bend Radius		Std.	Thread	Part No.	Part No.	Part No.	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.			
Inch	Metric	Metric		Inch	mm		Inch	mm	Inch	mm																							
3/8"	12mm	16mm	LTAES01G-C	100	30	No	0.484 to 0.505 (0.493)	12.3 to 12.8 (12.5)	2.0"	51mm	NPT	1/2"	---	---	---	5231AL	---	5251AL	...GR	---	---	---	---	---	---	---	---	---	---	5261	WMG-LT1	P CLIP/16	TY523MX
1/2"	16mm	20mm	LTAES02G-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	---	---	---	---	---	---	---	---	---	---	5262	WMG-LT2	P CLIP/20	TY523MX
3/4"	21mm	25mm	LTAES03G-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	---	---	---	---	---	---	---	---	---	---	5263	WMG-LT3	P CLIP/25	TY524MX
1"	27mm	32mm	LTAES04G-C	100	30	No	1.041 to 1.066 (1.053)	25.4 to 27.1	4.0"	102mm	NPT	1"	---	---	---	5234AL	---	5254AL	...GR	---	---	---	---	---	---	---	---	---	---	5264	WMG-LT4	P CLIP/32	TY524MX
1-1/4"	35mm	40mm	LTAES05G-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	4)	---	---	---	---	---	---	---	---	---	---	5265	WMG-LT5	P CLIP/40	TY525MX
1-1/2"	41mm	50mm	LTAES06G-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	4)	---	---	---	---	---	---	---	---	---	---	5266	WMG-LT6	P CLIP/50	TY525MX
2"	53mm	63mm	LTAES07G-B	50	15	No	2.020 to 2.045 (2.032)	51.3 to 51.9	7.0"	178mm	NPT	2"	---	---	---	5237AL	---	5257AL	4)	---	---	---	---	---	---	---	---	---	---	5267	WMG-LT7	P CLIP/63	TY527MX
2-1/2"	63mm	70mm	LTAES08G-A	25	8	No	2.480 to 2.505 (2.492)	63.0 to 63.6	9.5"	241mm	NPT	2-1/2"	---	---	---	5238AL	---	---	4)	---	---	---	---	---	---	---	---	---	---	5268	WMG-LT8	P CLIP/75	TY527MX
3"	78mm	80mm	LTAES09G-A	25	8	No	3.070 to 3.100 (3.085)	78.0 to 78.7	11.5"	292mm	NPT	3"	---	---	---	5239AL	---	---	4)	---	---	---	---	---	---	---	---	---	---	5269	WMG-LT9	---	TY527MX
4"	103mm	100mm	LTAES11G-A	25	8	No	4.000 to 4.040 (4.020)	101.6 to 105.6	14.0"	356mm	NPT	4"	---	---	---	5240AL	---	---	4)	---	---	---	---	---	---	---	---	---	5270	WMG-LT10	---	TY527MX	
5"	129mm	---	LTAES12G-A	25	8	No	4.975 to 5.035 (5.005)	126.4 to 127.9	20.0"	508mm	NPT	5"	---	---	---	4)	---	---	4)	---	---	---	---	---	---	---	---	---	---	---	---	TY529MX	
6"	155mm	---	LTAES13G-A	25	8	No	6.015 to 6.075 (6.045)	152.8 to 154.3	22.5"	572mm	NPT	6"	---	---	---	4)	---	---	4)	---	---	---	---	---	---	---	---	---	---	---	---	TY529MX	

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. This information is regularly maintained and is subject to change at the discretion of T&B/ABB. Go to www.abb.com/low-voltage/products/conduit-fittings/liquidtight-systems for latest document revision.

- 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
 - Ty-Rap® recommendation is based on 150% of conduit circumference, final selection should be determined by actual application requirements for type, length & tensile rating.

LTAE_QTS_0217.pdf