



ALUMINUM SHEAR BOLT TERMINALS ASBT

#2 AWG COMPACT TO 1250 kcmil CONCENTRIC

KEY FEATURES

- Heavy-duty design made of high strength, tin-plated aluminum alloy
- Range taking, Compact and smooth body design
- Dual rated for aluminum and copper conductors
- Provides long service life under normal operating conditions with reserve capacity for emergency loading conditions
- TE now offers a series of Shear Bolt Terminals that are UL Listed & CSA Certified
- No crimp tooling or dies required for installation

TE Connectivity's (TE) Aluminum Shear Bolt Terminals (ASBT) are range-taking mechanical connectors. Only three connectors will accommodate a conductor range from #2 compact to 1250 kcmil concentric, stranded Class B to reduce inventory and prevent accidental use of wrong conductor. The primary application of the ASBT are for power cable terminations, both underground and above ground at voltages up to 69 kV.

The ASBT are ideally suited for making aluminum or copper cable connections to flat bar or equipment pads equipped with 2-hole NEMA spacing. The terminals are manufactured from seamless, high conductivity aluminum designed for heavy-duty utility applications. The bore of the connector body has a unique grooved surface to enhance electrical contact and minimize resistance at the interface between the terminals and the conductors. The cable entry area is chamfered inside to provide easy cable insertion.

The terminals design incorporates shear bolt heads, which ensures that the correct torque is applied to each bolt and consequently the optimal contact force is generated to minimize connection resistance. The primary tool required to install the connector is a standard ratchet wrench with the appropriate hexagonal sockets. A holding tool is recommended to avoid core bending of conductors and can be ordered (#IT-1000-019).

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Aluminum Shear Bolt Terminals ASBT



TE's Aluminum Shear Bolt Terminals are designed to be compatible with most of TE's Raychem cable accessories and insulation products providing an engineered system with years of trouble free performance.

PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

Catalog Number	Part Number	Terminal Length	O.D.	Number of Bolts	Socket Size	Strip Length	Conductor Range	Conductor O.D. Range
Aluminum Shear Bolt Terminal Connectors								
ASBT-2-350	CM9694-000	5.9 (149)	1.22 (31)	2	11/16 (17)	1 ¾ (44)	2 AWG Compact to 350 kcmil Stranded	.268-.681 (6.8-17.3)
ASBT-350-750	CM9695-000	7.4 (188)	1.67 (42.5)	3	7/8 (22)	3 ½ (79)	350 kcmil Compact to 750 kcmil Stranded	.616-.998 (15.7-25.3)
ASBT-600-1000	CM9696-000	7.7 (196)	1.75 (44.4)	3	7/8 (22)	3 ¾ (95)	600 kcmil Compact to 1000 kcmil Stranded	.813-1.152 (20.6-29.2)
ASBT-1000-N	2182430-1	7.7 (196)	1.75 (44.4)	3	7/8 (22)	3 ¾ (95)	1000 kcmil compact to 1000 kcmil Conc Stranded	1.060-1.152 (26.9-29.3)
ASBT-1250-2	CS9412-000	6.96 (176.7)	2.00 (50.8)	3	(13)	2 ⅞ (75)	1250 kcmil compressed to 1250 kcmil Conc Stranded	1.190 - 1.250 (30.23 - 31.75)
ASBT-1250-2-N	CS9410-000	6.96 (176.7)	2.00 (50.8)	3	(13)	2 ⅞ (75)	1250 kcmil compressed to 1250 kcmil Conc Stranded	1.190 - 1.250 (30.23 - 31.75)
ASBT-1250-4	CS9414-000	6.96 (176.7)	2.00 (50.8)	3	(13)	2 ⅞ (75)	1250 kcmil compressed to 1250 kcmil Conc Stranded	1.190 - 1.250 (30.23 - 31.75)

PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

Catalog Number	Part Number	Terminal Length	O.D.	Number of Bolts	Socket Size	Strip Length	Conductor Range	Conductor O.D. Range
Aluminum Shear Bolt Terminal Connectors UL/CSA Listed								
ASBT-2-4/0-U	1974141-1	5.9 (149)	1.22 (31)	2	11/16 (17)	1 ¾ (44)	2 AWG compact to 4/0 kcmil concentric	0.268-0.528 (6.80-13.40)
ASBT-250-350-U	1974142-1	5.9 (149)	1.22 (31)	2	11/16 (17)	1 ¾ (44)	250 kcmil compact to 350 kcmil concentric	0.520-0.681 (13.21-17.30)
ASBT-350-500-U	1974148-1	7.4 (188)	1.67 (42.5)	3	7/8 (22)	3 ½ (79)	350 kcmil compact to 500 kcmil concentric	0.616-0.813 (15.65-20.65)
ASBT-600-750-U	1974149-1	7.4 (188)	1.67 (42.5)	3	7/8 (22)	3 ½ (79)	600 kcmil compact to 750 kcmil concentric	0.813-0.998 (20.65-25.35)
ASBT-1000-U	1974153-1	7.7 (196)	1.75 (44.4)	3	7/8 (22)	3 ¾ (95)	1000 kcmil compact to 1000 kcmil concentric	1.060-1.152 (26.92-29.26)
ASBT-1000-N-U	2182430-1	7.7 (196)	1.75 (44.4)	3	7/8 (22)	3 ¾ (95)	1000 kcmil compact to 1000 kcmil concentric	1.060 - 1.152 (26.92 - 29.26)

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