



Figure 1. BOL-T Cutaway illustrates design features.

Note: Dimensions given are for reference only.

Optional features

Coppertop compression connectors

Coppertop compression connectors (aluminum sleeve welded to a copper spade) provide a high conductivity material in a bolted connection and are compatible with aluminum or copper conductors.

All copper current path

Full copper current carrying path and 900 A rating can be obtained by specifying a coppertop compression connector, copper stud and copper insulating plug.

Shear bolt connector (optional)

Bolted cable lug is fitted with stepless bolts, which shear off when optimum contact force has been reached. Provides electrical continuity for copper and aluminum conductors while eliminating need for dies and compression tools.



Figure 2. Shear bolt connector.

Table 1. Voltage Ratings and Characteristics

Description	kV
Standard Voltage Class	25
Maximum Rating Phase-to-Ground	15.2
ac 60 Hz 1 Minute Withstand	40
dc 15 Minute Withstand	78
BIL and Full Wave Crest	125
Minimum Partial Discharge Extinction Voltage	19

Voltage ratings and characteristics are in accordance with IEEE Std 386™-2006 standard.

Table 2. Current Ratings and Characteristics

Description	Amperes
Continuous	600 A rms
4 Hour Overload	900 A rms
Short Time	40,000 A rms symmetrical for 0.17 s 27,000 A rms symmetrical for 4.0 s

Current ratings and characteristics are in accordance with IEEE Std 386™-2006 standard.