

600A SHEAR BOLT CONNECTORS



600A SHEAR BOLT CONNECTORS

Applications:

- For use with 600A Bolted T-Body and Elbow Tap Plug kits
- Compatible with aluminum and copper conductors
- Accommodates cables from #2 AWG to 1250kcmil
- IEEE Std. 386 and ANSI C119.4 compliant

Installation:

- De-energize the circuit before installing shear bolt
- Wire brush the conductor and fully insert into the barrel using a rotating motion
- Tighten screws by hand following the prescribed sequence
- Use a wrench to tighten screws in order, continue until the head shears off
- Follow all detailed instructions provided along with the product

Advantages:

- No crimping tools or dies are required
- Hex head will shear off at the right torque every time
- Can be used on a wide range of conductor sizes
- Will work regardless of conductor type (solid, stranded, compact, etc.)
- Will reduce the number of different size connectors typically required for a job



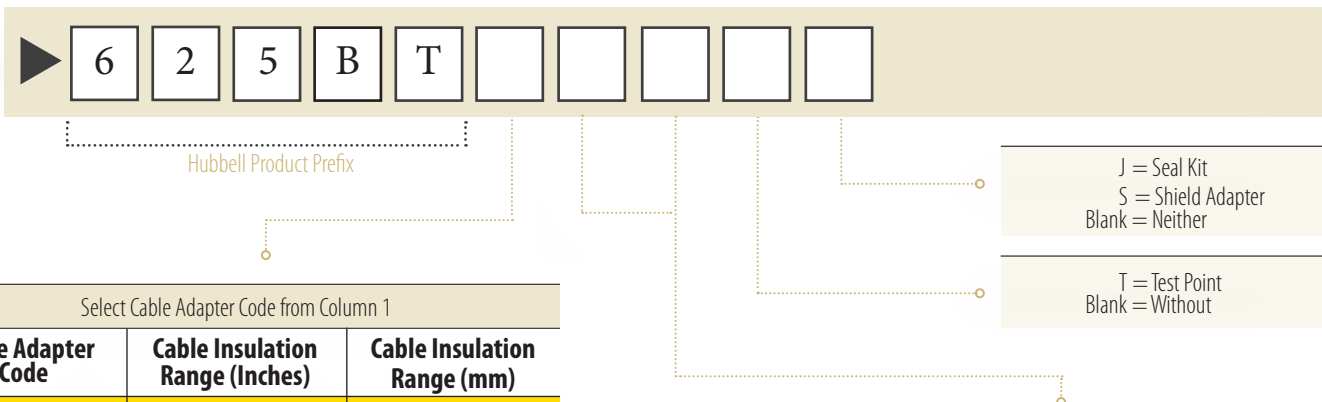
ORDERING INFORMATION AND SIZE CHART

Shear Bolt Connector Part Number	Inner Diameter (Inches)	Conductor (Al or Cu)	
		Stranded/Compressed	Compact/Solid
		AWG/kcmil	AWG/kcmil
625LUGU1	0.610	#2	#1
		#1	1/0
		1/0	2/0
		2/0	3/0
		3/0	4/0
		4/0	250
		250	300
625LUGU2	0.787	4/0	250
		250	300
		300	350
		350	400
		400	450
		450	500
625LUGU3	1.024	350	400
		400	450
		450	500
		500	600
		600	650
		650	700/750
		700	800
		750	900
625LUGU4	1.339	750	800
		800	900
		900	1000
		1000	1100
		1100	1250
		1250	



ORDERING INFORMATION: BOLTED T-BODY SYSTEM

Example: The part number for 25/28 kV Bolted Elbow kit for 500 stranded, 260 mil cable with an insulation diameter of 1.415" and a test point is: 625BTLMU3T



Select Cable Adapter Code from Column 1

Cable Adapter Code	Cable Insulation Range (Inches)	Cable Insulation Range (mm)
E	.530 - .680	13,5 - 17,3
F	.640 - .820	16,3 - 20,8
G	.760 - .950	19,3 - 24,1
H	.850 - 1.050	21,6 - 26,7
J	.980 - 1.180	24,9 - 30,0
K	1.090 - 1.310	27,7 - 33,3
L	1.180 - 1.465	30,0 - 37,2
LM	1.280 - 1.430	32,5 - 36,3
M	1.370 - 1.630	34,8 - 41,4
N	1.515 - 1.780	38,5 - 45,2
P	1.725 - 1.935	43,8 - 49,1

Select Connector Code from Column 1 or 2

Shear Bolt Connector Code	Connector Code	AWG or kcmil	Stranding	15 kV - 175mil (Inches)	15 kV - 220mil (Inches)	25 kV - 260mil (Inches)	35 kV - 345mil (Inches)
U1	22	#2 #1	Stranded & Compressed Compact & Solid	0.635 - 0.730 0.645 - 0.735	0.725 - 0.825 0.735 - 0.830	0.805 - 0.905	
	23	#1 1/0	Stranded & Compressed Compact & Solid	0.675 - 0.770 0.680 - 0.775	0.765 - 0.855 0.770 - 0.865	0.835 - 0.935 0.835 - 0.940	1.010 - 1.120
	24	1/0 2/0	Stranded & Compressed Compact & Solid	0.715 - 0.810 0.715 - 0.815	0.805 - 0.905 0.805 - 0.905	0.875 - 0.980 0.875 - 0.980	1.045 - 1.155 1.045 - 1.160
	25	2/0 3/0	Stranded & Compressed Compact & Solid	0.760 - 0.855 0.765 - 0.860	0.850 - 0.950 0.855 - 0.955	0.920 - 1.025 0.925 - 1.030	1.090 - 1.200 1.095 - 1.205
	26	3/0 4/0	Stranded & Compressed Compact & Solid	0.810 - 0.905 0.815 - 0.910	0.900 - 1.000 0.905 - 1.005	0.970 - 1.075 0.975 - 1.080	1.140 - 1.255 1.145 - 1.260
	27	4/0 250	Stranded & Compressed Compact & Solid	0.865 - 0.965 0.880 - 0.965	0.955 - 1.060 1.010 - 1.115	1.025 - 1.135 1.025 - 1.135	1.195 - 1.310 1.210 - 1.315
	28	250	Stranded & Compressed	0.920 - 1.020	1.010 - 1.115	1.080 - 1.190	1.250 - 1.370
U2	29	350	Compact	0.980 - 1.065	1.070 - 1.155	1.140 - 1.230	1.310 - 1.410
	30	350	Stranded & Compressed	1.025 - 1.130	1.115 - 1.220	1.185 - 1.295	1.355 - 1.475
	32	500	Compact	1.100 - 1.185	1.190 - 1.275	1.260 - 1.350	1.430 - 1.530
U3	33	500 600	Stranded & Compressed Compact	1.150 - 1.260 1.185 - 1.270	1.240 - 1.355 1.275 - 1.365	1.310 - 1.430 1.345 - 1.440	1.480 - 1.605 1.575 - 1.615
	35	600 700	Stranded & Compressed Compact	1.235 - 1.350 1.245 - 1.335	1.325 - 1.445 1.335 - 1.430	1.395 - 1.520 1.405 - 1.500	1.565 - 1.695 1.575 - 1.680
	36	750	Compact	1.280 - 1.365	1.370 - 1.460	1.440 - 1.535	1.610 - 1.710
	38	700 750 900	Stranded & Compressed Stranded & Compressed Compact	1.305 - 1.420 1.340 - 1.456 1.370 - 1.455	1.395 - 1.515 1.430 - 1.550 1.460 - 1.550	1.465 - 1.590 1.500 - 1.625 1.530 - 1.625	1.635 - 1.765 1.670 - 1.800 1.700 - 1.800
U4	39	800	Stranded & Compressed	1.370 - 1.455	1.460 - 1.580	1.530 - 1.655	1.700 - 1.835
	40	900 1000	Stranded & Compressed Compact	1.430 - 1.550 1.430 - 1.515	1.520 - 1.645 1.520 - 1.610	1.590 - 1.720 1.590 - 1.685	1.760 - 1.895 1.760 - 1.865
	41	1000	Stranded & Compressed	1.485 - 1.610	1.575 - 1.705	1.645 - 1.775	1.815 - 1.955

Deadbreak Bolted Elbow Component Parts:

Description	Catalog #
T-Body with Test Point	625TBT
T-Body without Test Point	625TB
Aluminum Insulating Plug with Cap	625BIP
5/8" - 11 UNC Threaded Aluminum Stud	625SA
Cable Adapter	625CAx
Compression Connector	625LUGxx
Cable Sizing Kit	625CKxxx
Shear Bolt Lug	625LUGUx

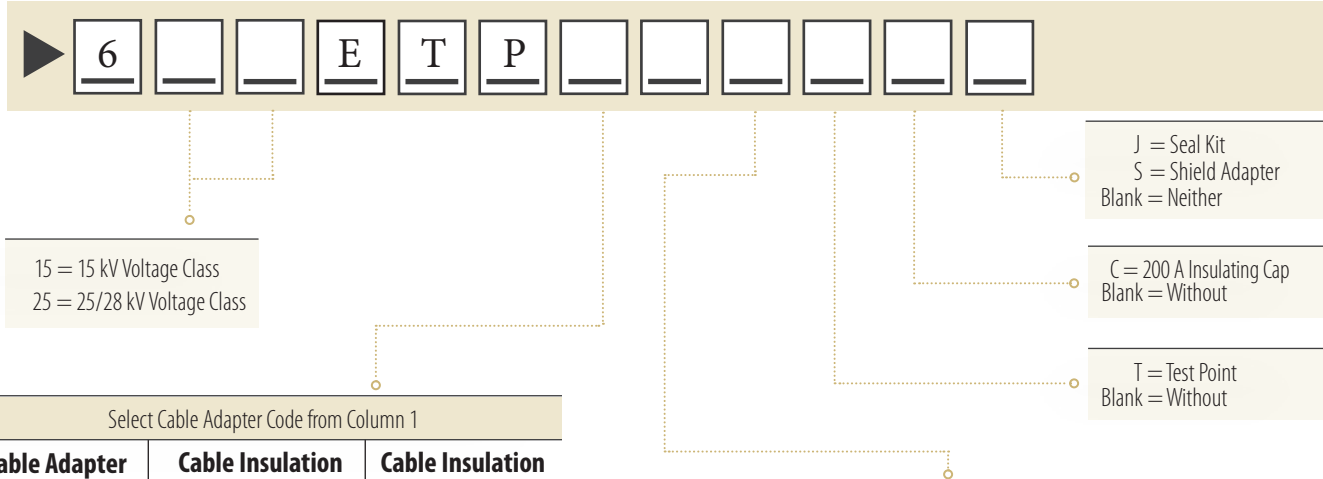
NOTE: Compression connectors can be used for both aluminum and copper cable conductors.

NOTE: Contact representative for conductors not listed above



ORDERING INFORMATION: ETP ELBOW TERMINATION SYSTEM

Example: The part number for 25/28 kV ETP kit for 500 stranded, 260 mil cable with an insulation diameter of 1.415" and an insulating cap is: 625ETPLMU3TC



Select Cable Adapter Code from Column 1		
Cable Adapter Code	Cable Insulation Range (Inches)	Cable Insulation Range (mm)
E	.530 - .680	13,5 - 17,3
F	.640 - .820	16,3 - 20,8
G	.760 - .950	19,3 - 24,1
H	.850 - 1.050	21,6 - 26,7
J	.980 - 1.180	24,9 - 30,0
K	1.090 - 1.310	27,7 - 33,3
L	1.180 - 1.465	30,0 - 37,2
LM	1.280 - 1.430	32,5 - 36,3
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Select Connector Code from Column 1 or 2							
Shear Bolt Connector Code	Connector Code	AWG or kcmil	Stranding	15 kV - 175mil (Inches)	15 kV - 220mil (Inches)	25 kV - 260mil (Inches)	35 kV - 345mil (Inches)
U1	22	#2	Stranded & Compressed	0.635 - 0.730	0.725 - 0.825		
		#1	Compact & Solid	0.645 - 0.735	0.735 - 0.830	0.805 - 0.905	
	23	#1	Stranded & Compressed	0.675 - 0.770	0.765 - 0.855	0.835 - 0.935	
		1/0	Compact & Solid	0.680 - 0.775	0.770 - 0.865	0.835 - 0.940	1.010 - 1.120
	24	1/0	Stranded & Compressed	0.715 - 0.810	0.805 - 0.905	0.875 - 0.980	1.045 - 1.155
		2/0	Compact & Solid	0.715 - 0.815	0.805 - 0.905	0.875 - 0.980	1.045 - 1.160
	25	2/0	Stranded & Compressed	0.760 - 0.855	0.850 - 0.950	0.920 - 1.025	1.090 - 1.200
U2		3/0	Compact & Solid	0.765 - 0.860	0.855 - 0.955	0.925 - 1.030	1.095 - 1.205
	26	3/0	Stranded & Compressed	0.810 - 0.905	0.900 - 1.000	0.970 - 1.075	1.140 - 1.255
		4/0	Compact & Solid	0.815 - 0.910	0.905 - 1.005	0.975 - 1.080	1.140 - 1.260
	27	4/0	Stranded & Compressed	0.865 - 0.965	0.955 - 1.060	1.025 - 1.135	1.195 - 1.310
		250	Compact & Solid	0.880 - 0.965	1.010 - 1.115	1.025 - 1.135	1.210 - 1.315
	28	250	Stranded & Compressed	0.920 - 1.020	1.010 - 1.115	1.080 - 1.190	1.250 - 1.370
	29	350	Compact	0.980 - 1.065	1.070 - 1.155	1.140 - 1.230	1.310 - 1.410
U3	30	350	Stranded & Compressed	1.025 - 1.130	1.115 - 1.220	1.185 - 1.295	1.355 - 1.475
	32	500	Compact	1.100 - 1.185	1.190 - 1.275	1.260 - 1.350	1.430 - 1.530
	33	500	Stranded & Compressed	1.150 - 1.260	1.240 - 1.355	1.310 - 1.430	1.480 - 1.605
		600	Compact	1.185 - 1.270	1.275 - 1.365	1.345 - 1.440	1.575 - 1.615
	35	600	Stranded & Compressed	1.235 - 1.350	1.325 - 1.445	1.395 - 1.520	1.565 - 1.695
		700	Compact	1.245 - 1.335	1.335 - 1.430	1.405 - 1.500	1.575 - 1.680
	36	750	Compact	1.280 - 1.365	1.370 - 1.460	1.440 - 1.535	1.610 - 1.710
U4	38	700	Stranded & Compressed	1.305 - 1.420	1.395 - 1.515	1.465 - 1.590	1.635 - 1.765
		750	Stranded & Compressed	1.340 - 1.456	1.430 - 1.550	1.500 - 1.625	1.670 - 1.800
		900	Compact	1.370 - 1.455	1.460 - 1.550	1.530 - 1.625	1.700 - 1.800
	39	800	Stranded & Compressed	1.370 - 1.455	1.460 - 1.580	1.530 - 1.655	1.700 - 1.835
	40	900	Stranded & Compressed	1.430 - 1.550	1.520 - 1.645	1.590 - 1.720	1.760 - 1.895
		1000	Compact	1.430 - 1.515	1.520 - 1.610	1.590 - 1.685	1.760 - 1.865
	41	1000	Stranded & Compressed	1.485 - 1.610	1.575 - 1.705	1.645 - 1.775	1.815 - 1.955

NOTE: Compression connectors can be used for both aluminum and copper cable conductors.

NOTE: Contact representative for conductors not listed above

Deadbreak ETP Elbow Component Items:

Description	Catalog #
T-Body with Test Point	625TBT
T-Body without Test Point	625TB
15 kV Elbow Tap Plug (ETP)	615ETP
25/28 kV Elbow Tap Plug (ETP)	625ETP
5/8" - 11 UNC Threaded Aluminum Stud	625SA
15 kV Insulating Cap	215ICI
25/28 kV Insulating Cap	9U01BEW500
Cable Adapter	625CAx
Compression Connector	625LUGxx
Cable Sizing Kit	625CKxxx
Shear Bolt Lug	625LUGUx



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NOTE: Because Hubbell has a policy of continuous product improvement, we reserve the right to change design and specifications without notice.

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