



Product Guide

Secondary Underground

TRANSFORMER CONNECTORS, SUBMERSIBLE SPLICES AND BUSBARS



- Transformer Stud Connectors
- Pedestal Set Screw Connectors
- Submersible Connectors
- Submersible Splice Covers / Kits
- Compression Connectors
- URD Service Enclosures
- URD Accessories

Thomas & Betts

A - Transformer Stud Connectors



Type TSB
Page A - 2



Type TWB
Page A - 3



Type TZB
Page A - 4



Type TPEB
Page A - 5

B - Pedestal Set Screw Connectors



Type PSB
Page B - 1



Type PSB-C
Page B - 2



Type PML
Page B - 3

C - Submersible Connectors



Type USB-S
Page C - 1



Type USB
Page C - 2



Type UHB
Page C - 3



Type UB
Page C - 4



Type UPB
Page C - 5



Type UBC
Page C - 5



Type UPL
Page C - 6



Type UPLN
Page C - 7



Type UPC
Page C - 8



Type SCU
Page C - 9



Type USL
Page C - 10



Type SLA1
Page C - 10

D - Submersible Splice Covers / Kits



Type CRS/P
Page D - 1



Type ESSK
Page D - 2



Type WS, WL, WB, WH
Page D - 3



Type SPL
Page D - 3



WKBSM, KBS KITS
Page D - 4

E - Connectors



Type CS
Page E - 1



Type KL
Page E - 2



Type LAC
Page E - 3



Type CAL
Page E - 4



Type LCU
Page E - 4

F - URD Service Enclosures



Type SDR
Page F - 1



Type SDF
Page F - 2



Type SDG
Page F - 3

G - URD Accessories



Type BTT
Page G - 1



Type TAT
Page G - 1



Type MPC
Page G - 2



Type YT, RT
Page G - 2



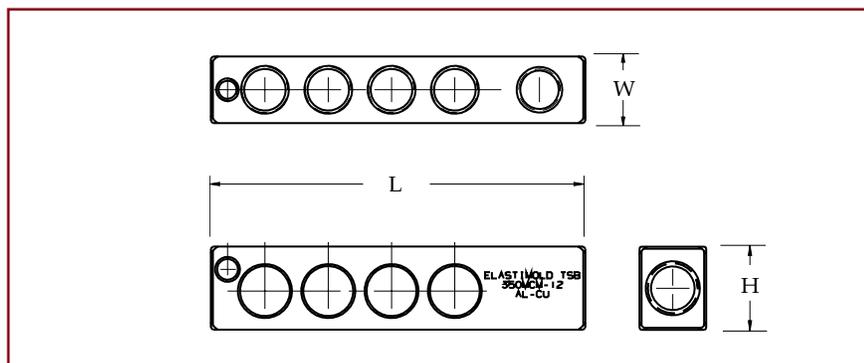
TRANSFORMER STUD CONNECTORS

TSB

- Bars are constructed of 6061-T6 aluminum alloy for strength and conductivity
- Disconnectable - Slip fit option allows easy installation and removal. Screw-On option (J-type) also available – use of jam nut required
- Optional, ALL-IN-ONE (Patent Pending), single stud hole design provides flexibility for installation on both 5/8"-11 and 1"-14 studs (D51A suffix)
- Specific stud size connectors to fit either 5/8"-11 or 1"-14 studs are also available (Suffix J/D58 or J/D10)
- Options for Lock-On or Slip-On insulating covers
 - Lock-On cover, type LTC, is clear PVC. Cover cannot be removed without cable disassembly. Add suffix C
 - Slip-On cover is Red PVC (Hot) Other colors are possible. Cover can be removed without cable disassembly. Add suffix CS
- Standard aluminum set screws with 5/16" socket hex.
 - Spread compressive forces over conductor strands
 - Reduce strand damage
 - Increase inter-strand movement
 - Result in lower contact resistance
 - Provide high set screw torque retention



TYPE TSB



Connectors tested and qualified for Class A, ANSI C119.4

- All connectors have Contax[®] oxide inhibitor factory pre-filled; Remove suffix 9 if not desired.
- Add suffix K21 at end of catalog number to order a kit containing 2 insulated and 1 uninsulated connector

Type TSB Slip On and Screw On Transformer Stud Connectors

Slip On	Cat No. Screw On	No. of Conductors	Conductor Range AWG	Trans. Stud	Dimensions inches (mm)			Plastisol Cover (CS)	Plastisol Cover (C)
					H	W	L		
TSB4359D58	TSB4359J58	4	350-12	5/8-11	1.4 (35)	1.0 (25)	5.8 (148)	TIPC435	LTC435
TSB6359D58	TSB6359J58	6	350-12	5/8-11	1.4 (35)	1.0 (25)	7.6 (194)	TIPC635	LTC635
TSB8359D58	TSB8359J58	8	350-12	5/8-11	1.4 (35)	1.0 (25)	9.5 (240)	TIPC835	LTC835
TSB4559D10	TSB4559J10	4	500-10	1-14	1.8 (44)	1.4 (35)	6.8 (173)	TIPC450	LTC450
TSB6559D10	TSB6559J10	6	500-10	1-14	1.8 (44)	1.4 (35)	9.2 (234)	TIPC650	LTC650
TSB8559D10	TSB8559J10	8	500-10	1-14	1.8 (44)	1.4 (35)	11.6 (294)	TIPC850	LTC850

To order TSB connector with a non-removable lock on cover, add a 'C' to the part number. TIPC covers are removable and can be ordered separately.



TRANSFORMER STUD CONNECTORS

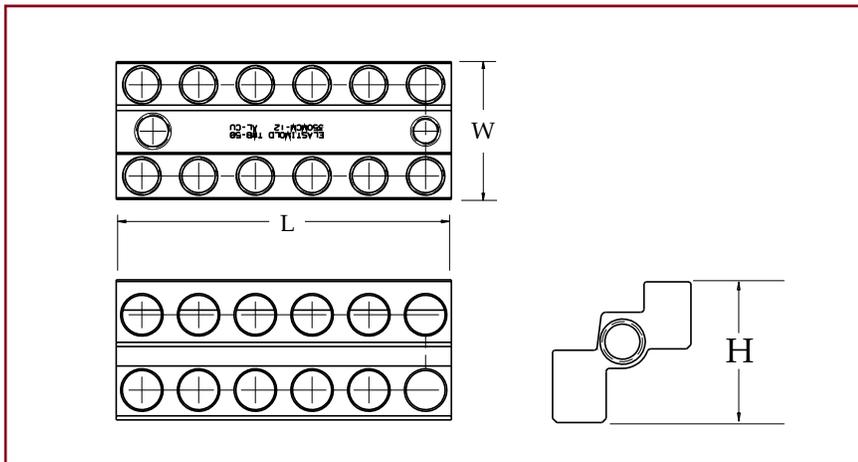
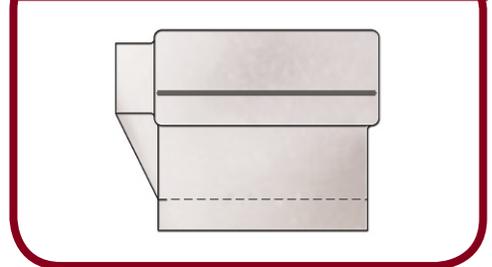
TWB

True compact design

- Doubles cable capacity
- Halves cantilever stress
- Allows maximum separation between primary & secondary cables
- Neutralizes/Balances torsional stresses on studs - no loosening of stud connection
- Provides more finger room for easier conductor handling
- More surface area provides for more efficient heat dissipation; runs cooler
- Bars are constructed of 6061-T6 Aluminum alloy for strength and conductivity
- Disconnectable - Slip fit option allows easy installation and removal
Screw-On option (J-type) also available – use of jam nut required
- New, ALL-IN-ONE (Patent Pending), single stud hole design provides flexibility for installation on both 5/8"-11 and 1"-14 studs (D51-A suffix)
- Specific stud size connectors to fit either 5/8"-11 or 1"-14 studs are available (Suffix J/D58 or J/D10)
- Slip-On Clear PVC insulating cover – can be removed without cable disassembly (add suffix CS)
- Standard aluminum set screws with 5/16 socket hex
 - Spread compressive forces over conductor strands
 - Reduce strand damage
 - Increase inter-strand movement
 - Result in lower contact resistance
 - Provide high set screw torque retention



TYPE TWB



**TRANSFORMER STUD CONNECTORS****TWB****Connectors tested and qualified for Class A, ANSI C119.4**

- All connectors have Contax® oxide inhibitor factory pre-filled; Remove suffix -9 if not desired.
- Add suffix - K21 at end of catalog number to order a kit containing 2 insulated and 1 uninsulated connector.

Type TWB Slip On and Screw On Transformer Stud Connectors

V Cat. No.	No. of Conductors	Conductor Range AWG	Transformer Stud (in.)	Dimensions inches (mm)			Cover	
				H	W	L		
Slip On		Screw On						
TWB6359D58	TWB6359J58	6	350-12	5/8" - 11	2.6 (67)	2.6 (65)	3.1 (78)	RCW63
TWB8359D58	TWB8359J58	8	350-12	5/8" - 11	2.6 (67)	2.6 (65)	4.1 (105)	RCW83
TWB10359D58	TWB10359J58	10	350-12	5/8" - 11	2.6 (67)	2.6 (65)	5.2 (132)	RCW65
TWB12359D58	TWB12359J58	12	350-12	5/8" - 11	2.6 (67)	2.6 (65)	6.3 (159)	RCW85
Slip On		Screw On						
TWB6359D10	TWB6359J10	6	350-12	1" - 14	3.0 (75)	2.8 (70)	3.1 (78)	RCW63
TWB8359D10	TWB8359J10	8	350-12	1" - 14	3.0 (75)	2.8 (70)	4.1 (105)	RCW83
TWB10359D10	TWB10359J10	10	350-12	1" - 14	3.0 (75)	2.8 (70)	5.2 (132)	RCW65
TWB12359D10	TWB12359J10	12	350-12	1" - 14	3.0 (75)	2.8 (70)	6.3 (159)	RCW85
Slip On		Screw On						
TWB6559D58	TWB6559J58	6	500-10	5/8" - 11	2.8 (71)	2.8 (70)	3.4 (86)	RCW63
TWB8559D58	TWB8559J58	8	500-10	5/8" - 11	2.8 (71)	2.8 (70)	4.5 (114)	RCW83
TWB10559D58	TWB10559J58	10	500-10	5/8" - 11	2.8 (71)	2.8 (70)	5.6 (142)	RCW65
Slip On		Screw On						
TWB6559D10	TWB6559J10	6	500-10	1" - 14	3.4 (86)	3.0 (77)	4.3 (108)	RCW63
TWB8559D10	TWB8559J10	8	500-10	1" - 14	3.4 (86)	3.0 (77)	5.4 (136)	RCW83
TWB10559D10	TWB10559J10	10	500-10	1" - 14	3.4 (86)	3.0 (77)	6.5 (165)	RCW65
TWB12559D10	TWB12559J10	12	500-10	1" - 14	3.4 (86)	3.0 (77)	7.6 (194)	RCW85
Universal								
TWB6359D51A		6	350-12	5/8" - 11 & 1" - 14	3.4 (86)	3.0 (77)	3.1 (78)	RCW63
TWB8359D51A		8	350-12	5/8" - 11 & 1" - 14	3.4 (86)	3.0 (77)	4.1 (105)	RCW83
TWB10359D51A		10	350-12	5/8" - 11 & 1" - 14	3.4 (86)	3.0 (77)	5.2 (132)	RCW65
TWB12359D51A		12	350-12	5/8" - 11 & 1" - 14	3.4 (86)	3.0 (77)	6.3 (159)	RCW85
Universal								
TWB6559D51A		6	500-10	5/8" - 11 & 1" - 14	3.1 (78)	2.8 (71)	4.3 (108)	RCW63
TWB8559D51A		8	500-10	5/8" - 11 & 1" - 14	3.1 (78)	2.8 (71)	5.4 (136)	RCW83
TWB10559D51A		10	500-10	5/8" - 11 & 1" - 14	3.1 (78)	2.8 (71)	6.5 (165)	RCW65
TWB12559D51A		12	500-10	5/8" - 11 & 1" - 14	3.1 (78)	2.8 (71)	7.6 (194)	RCW85



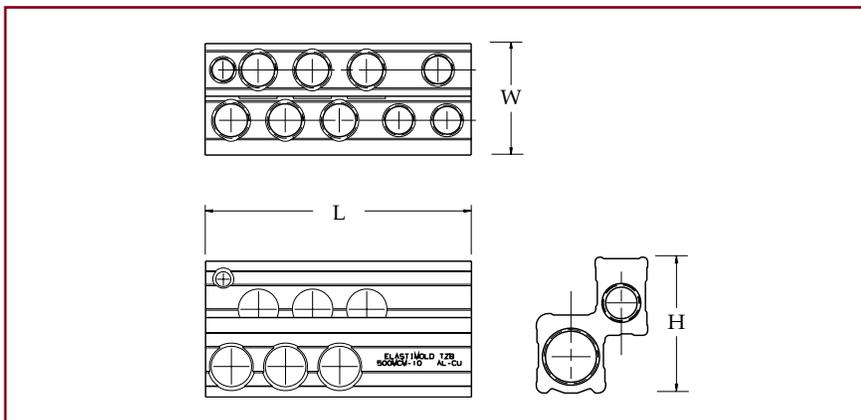
TRANSFORMER STUD CONNECTORS

TZB

- Compact design
 - Increases cable capacity
 - Reduces cantilever stress
- Bars are constructed of 6061-T6 aluminum alloy for strength and conductivity
- Disconnectable - Slip fit option allows easy installation and removal. Screw-On option (J-type) also available – use of jam nut required.
- Universal fit allows flexibility for installation on both 5/8"-11 and 1"-14 studs (D51 suffix)
Optional, ALL-IN-ONE (Patent Pending), single stud hole design provides flexibility for installation on both 5/8"-11 and 1"-14 studs (D51-A suffix)
- Specific stud size connectors to fit either 5/8"-11 or 1"-14 studs are also available
- Lock-On cover is available in clear PVC. Cover cannot be removed without cable disassembly.
- Standard aluminum set screws with 5/16" socket hex.
 - Spread compressive forces over conductor strands
 - Reduce strand damage
 - Increase inter-strand movement
 - Result in lower contact resistance
 - Provide high set screw torque retention



TYPE TZB



Connectors tested and qualified for Class A, ANSI C119.4

- All connectors have Contax[®] oxide inhibitor factory pre-filled; Remove suffix -9 if not desired.
- Add suffix K21 at end of catalog number to order a kit containing 2 insulated and 1 uninsulated connector.

Type TZB Slip Fit and Screw On Transformer Stud Connectors

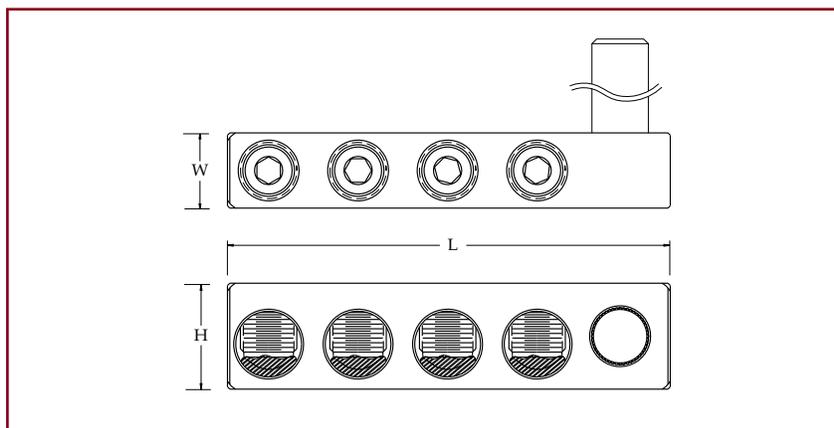
Cat. No.	No. of Conductors	Conductor Range AWG	Transformer Stud (in.)	Dimensions inches (mm)					
				H	W		L		Cover
Universal for 5/8" and 1" Studs									
Slip On									
TZB6359SD51C	6	350-12	5/8" – 11 & 1" -14	2.8 (71)	2.3 (59)	5.2 (133)		LCZ635	
TZB8359SD51C	8	350-12	5/8" – 11 & 1" -14	2.8 (71)	2.3 (59)	6.3 (160)		LCZ835	
TZB6559SD51C	6	500-10	5/8" – 11 & 1" -14	2.8 (71)	2.3 (59)	5.5 (140)		LCZ650	
TZB8559SD51C	8	500-10	5/8" – 11 & 1" -14	2.8 (71)	2.3 (59)	6.7 (169)		LCZ850	



OVERHEAD TRANSFORMER EYEBOLT CONNECTORS

TPEB

- Clear plated for low-contact resistance
- Fully tested to ANSI 199.4 for Class "A" Connectors
- Standard aluminum set screws with 5/16" socket hex.
 - Spread compressive forces over conductor strands
 - Reduce strand damage
 - Increase inter-strand movement
 - Result in lower contact resistance
 - Provide high set screw torque retention
- For installation on equipment secondary adaptors
- Stud is electro-tin plated
- Connector fabricated from 6061-T6 aluminum alloy for conductivity and strength
- Includes oxide inhibitor in all conductor holes
- Each unit individually wrapped and labeled for ease of identification and cleanliness



Type TPEB Transformer Eyebolt Connector

Cat. No.	No. of Conductors	Conductor Range AWG	Stud Dia. inches (mm)	Stud Length inches (mm)	Dimensions inches (mm)				
					H	W	L		
TPEB4359	4	350-12	.50 (13)	4.0 (102)	1.3 (32)	1.0 (25)	5.2 (132)		
TPEB6359	6	350-12	.50 (13)	4.0 (102)	1.3 (32)	1.0 (25)	7.3 (184)		
TPEB8359	8	350-12	.50 (13)	4.0 (102)	1.3 (32)	1.0 (25)	9.4 (238)		
TPEB4559	4	500-10	.75 (19)	4.5 (102)	1.4 (36)	1.0 (25)	5.9 (149)		
TPEB6559	6	500-10	.75 (19)	4.5 (114)	1.4 (36)	1.0 (25)	8.3 (210)		
TPEB8559	8	500-10	.75 (19)	4.5 (114)	1.4 (36)	1.0 (25)	10.6 (270)		

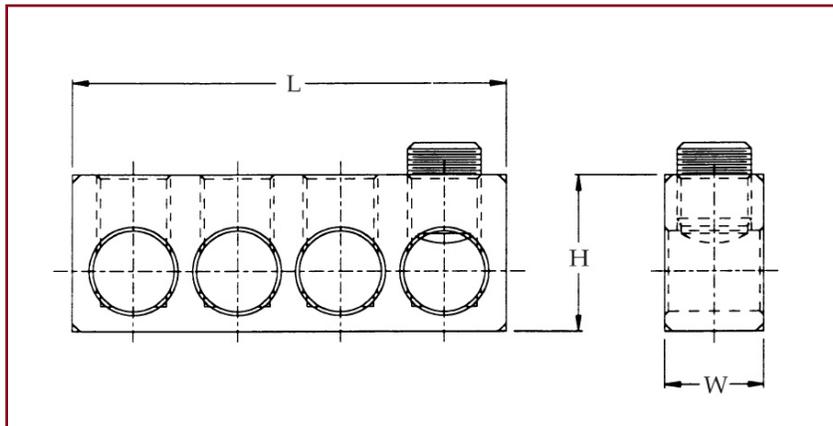
Note: For omission of oxide inhibitor delete suffix 9.



PEDESTAL SET SCREW CONNECTORS

PSB

- Fully tested to ANSI C119.4 for Class "A" connectors.
- Standard aluminum set screws with 5/16" socket hex.
 - Spread compressive forces over conductor strands
 - Reduce strand damage
 - Increase inter-strand movement
 - Result in lower contact resistance
 - Provide high set screw torque retention
- 105°C Rated red plastisol cover available for insulating connector after installing conductors.
- Connector fabricated from 6061-T6 aluminum alloy for conductivity and strength.
- Includes oxide inhibitor in all conductor holes.
- Each unit individually wrapped and labeled for ease of identification and cleanliness.
- Street light tap available.



Type PSB Pedestal Connectors

Cat. No.	No. of Conductors	Conductor Range AWG	Plastisol Cover No.	Dimensions inches (mm)		
				H	W	L
PSB4359	4	350-12	PPC43	1.3 (32)	1.0 (25)	4.1 (105)
PSB6359	6	350-12	PPC63	1.3 (32)	1.0 (25)	6.2 (158)
PSB8359	8	350-12	PPC83	1.3 (32)	1.0 (25)	8.3 (211)
PSB4559	4	500-10	PPC45	1.4 (36)	1.0 (25)	4.7 (119)
PSB6559	6	500-10	PPC65	1.4 (36)	1.0 (25)	7.1 (179)
PSB8559	8	500-10	PPC85	1.4 (36)	1.0 (25)	9.4 (240)

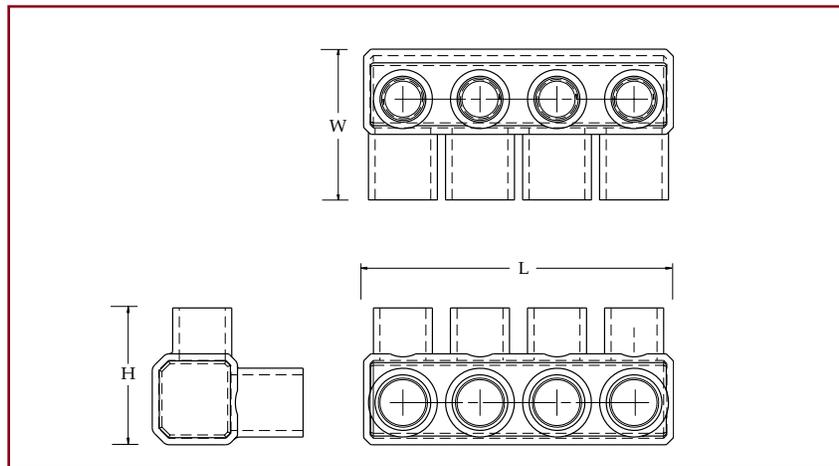


PEDESTAL SET SCREW CONNECTORS

PSB-C

- Connector fabricated from 6061-T6 aluminum alloy for conductivity and strength.
- Standard aluminum set screws with 5/16" socket hex.
 - Spread compressive forces over conductor strands
 - Reduce strand damage
 - Increase inter-strand movement
 - Result in lower contact resistance
 - Provide high set screw torque retention
- Includes oxide inhibitor.
- Fully tested to ANSI C119.4 for Class "A" connectors.
- RUS Listed.

- Port separated clear plastic covers provide insulation while allowing each conductor installation. Minimizes contact with energized parts.
- Each unit individually wrapped and labeled for ease of identification and cleanliness.



Type PSB-C Pedestal Connectors

Cat. No.	No. of Conductors	Conductor Range AWG	Dimensions inches (mm)		
			H	W	L
PSB4359C	4	350-12	2.4 (60)	2.8 (70)	4.8 (121)
PSB6359C	6	350-12	2.4 (60)	2.8 (70)	5.9 (151)
PSB8359C	8	350-12	2.4 (60)	2.8 (70)	7.1 (179)
PSB4559C	4	500-10	2.6 (67)	2.9 (73)	5.9 (151)
PSB6559C	6	500-10	2.6 (67)	2.9 (73)	7.4 (187)
PSB8559C	8	500-10	2.6 (67)	2.9 (73)	8.9 (225)

- Use with Set Screw Connections
- Designed for use in compact, above grade pedestals
- Furnished with type "L" copper lugs riveted to tin plated copper bus



TYPE PML

Type PML Copper Pedestal Connectors

Cat. No.	No. of Terminals	Conductor Range
PML17	6	#6 str—250 kcmil
CAP7	EPDM Insulating Cover	

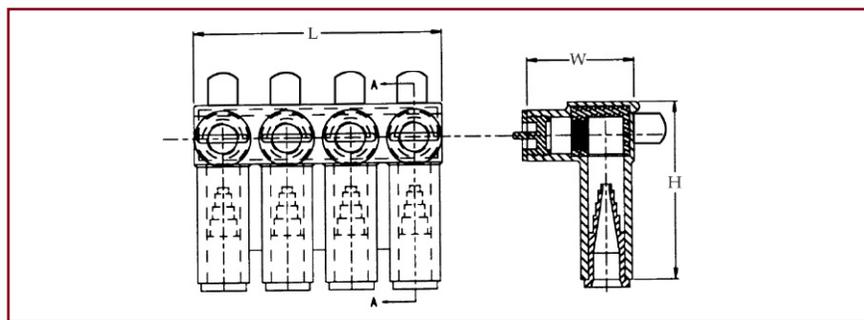


SUBMERSIBLE SET SCREW CONNECTORS

USB-S

DIRECT BURIAL/HAND HOLE

- Bars are constructed of 6061-T6 aluminum alloy for strength and conductivity.
- Standard aluminum set screws with 5/16" socket hex.
 - Spread compressive forces over conductor strands
 - Reduce strand damage
 - Increase interstrand movement
 - Result in lower contact resistance
 - Provide high set screw torque retention
- Compact design allows installation in limited spaces
- Field adaptable cable sleeves allow application on a wide range of conductor sizes
- Tethered screw plug design eliminates lost parts
- Time proven Squid® Sealing System
- EPDM insulation Molded by Elastimold®
 - 100% factory tested for watertightness and dielectric withstand
 - Tough enough to withstand rough handling in the field
 - Excellent UV characteristics for overhead applications
 - Excellent aging characteristics under continuous high operating temperatures (130° C)
 - Excellent dielectric strength rating (>700 volts/mil)
 - Excellent resistance to UV, Ozone, Acids, Alkalis
- Screw plugs feature tethered design with tear resilient tabs for easy removal and installation
- Buses individually wrapped in plastic bags and labeled
- Basic installation instructions are molded on each bus – Detailed instructions also included
- Bus is supplied factory pre-assembled – No loose parts
- Optional Yellow screw plugs are available – Add suffix Y



Connectors meet Class A, ANSI C119.4, ANSI C119.1 & Western Underground C.G. 2.5

- All connectors include Contax® oxide inhibitor and silicone grease for ease of installation and convenience
- For other options, please consult with the factory

Type USB-S Economy Spacing Set Screw Connectors

Cat. No.	No. of Conductors	Conductor Range AWG	Dimensions inches (mm)		
			H	W	L
USB33S	3	350-12	4.0 (102)	2.6 (67)	3.6 (92)
USB43S	4	350-12	4.0 (102)	2.6 (67)	4.8 (121)
USB63S	6	350-12	4.0 (102)	2.6 (67)	7.1 (181)
USB83S	8	350-12	4.0 (102)	2.6 (67)	9.4 (238)

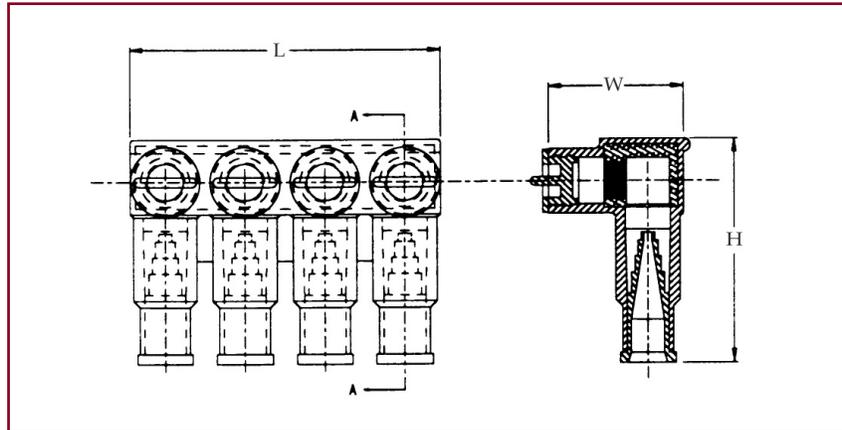
Note: Add suffix Y for yellow screw plugs

SUBMERSIBLE SET SCREW CONNECTORS

USB

DIRECT BURIAL/HAND HOLE

- Fully tested to ANSI C119.1 and Western Underground Guide 2.5 for submersible applications.
- Fully tested to ANSI C119.4 for Class "A" connectors.
- Standard aluminum set screws with 5/16" socket hex.
 - Spread compressive forces over conductor strands
 - Reduce strand damage
 - Increase interstrand movement
 - Result in lower contact resistance
 - Provide high set screw torque retention
- Includes silicone grease and oxide inhibitor.
- Connector fabricated from 6061-T6 aluminum alloy for conductivity and strength.
- Each unit individually wrapped and labeled for ease of identification and cleanliness.
- High quality EPDM rubber provides long term sealing and insulating properties for submersible and direct buried application.
- RUS Listed.



Type USB Wide Port Spacing Set Screw Connectors

Cat. No.	No. of Conductors	Conductor Range AWG	Dimensions inches (mm)		
			H	W	L
USB33	3	350-12	4.0 (102)	2.8 (70)	4.8 (121)
USB43	4	350-12	4.0 (102)	2.8 (70)	6.4 (162)
USB63	6	350-12	4.0 (102)	2.8 (70)	9.4 (238)
USB83	8	350-12	4.0 (102)	2.8 (70)	12.6 (321)

Note: Add suffix Y for yellow screw plugs

**SUBMERSIBLE BUS CONNECTORS****UHB**

- Elastimold Submersible Set Screw Junctions are constructed of high conductivity aluminum and are rated per ANSI C119.4 for use on aluminum or copper cables
- Units include set screws and oxide inhibitor.
- Designs feature fully insulated, sealed and submersible, molded rubber cable sleeves and multi-outlet bus.
- Field adaptable cable sleeves allow application on a wide range of cable sizes.
- Serrated conductor holes provide lower contact resistance; increase conductivity.
- EPDM covers Molded By Elastimold® provide:
 - Excellent UV characteristics for overhead applications
 - Excellent aging characteristics under continuous high operating temperatures (130° C)
 - Excellent dielectric strength rating (>700 volts/mil)
 - Excellent resistance to UV, Ozone, Acids, Alkalis
- Bus system tested & qualified under ANSI C119.1

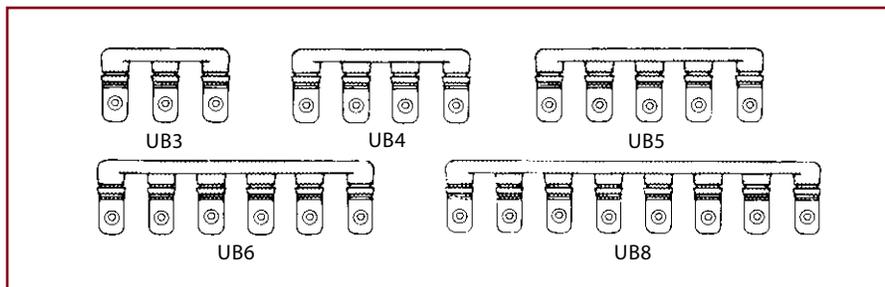


Cat. No.	Number of Conductors	Conductor Size Range	Dimensions/ inches (mm) Length
UHB23C	2	350-14	3.8 (95)
UHB33C	3		5.5 (140)
UHB43C	4		7.4 (188)
UHB53C	5		9.3 (235)
UHB63C	6		11.1 (283)
UHB73C	7		13.0 (330)
UHB83C	8		14.9 (378)
UHB93C	9		16.8 (425)
UHB103C	10		18.6 (473)
UHB25C	2		500-14
UHB35C	3	7.0 (178)	
UHB45C	4	9.3 (235)	
UHB55C	5	11.5 (292)	
UHB65C	6	13.8 (349)	
UHB75C	7	16.0 (406)	
UHB85C	8	18.3 (464)	
UHB95C	9	20.5 (521)	
UHB105C	10	22.8 (578)	

SUBMERSIBLE BUS CONNECTORS/ACCESSORIES

UB

- Residential Secondary Bus Kits sealed for pedestal, vault, handhole, or direct buried.
- Single set screw bolted connections.
- Bus ampacity 750 AMPS.
- For #12 AWG through 350 kcmil conductors.
- Kit includes WB20P plugged sleeves.
- 1SC kits include one adapter for street light wire (#12-#2 Str. AWG)
- RUS Listed.
- Prefilled with Contax oxide inhibiting compound.



Type UB Submersible Bus Set Screw Connectors

Cat. No.	No. of Conductors	Conductor Range AWG	Dimensions inches	
			L	H
UB3K*	3	350-2	6 ¹ / ₈ "	6 ³ / ₈ "
UB4K*	4	350-2	8 ¹ / ₄ "	6 ³ / ₈ "
UB5K*	5	350-2	10 ³ / ₈ "	6 ³ / ₈ "
UB6K*	6	350-2	12 ¹ / ₂ "	6 ³ / ₈ "
UB8K*	8	350-2	16 ³ / ₄ "	6 ³ / ₈ "
UB4K1SC*	4	350-12	8 ¹ / ₄ "	6 ³ / ₈ "
UB5K1SC*	5	350-12	10 ³ / ₈ "	6 ³ / ₈ "
UB6K1SC*	6	350-12	12 ¹ / ₂ "	6 ³ / ₈ "
UB8K1SC*	8	350-12	16 ³ / ₄ "	6 ³ / ₈ "
WB20P*	cover	350-2	5 ³ / ₈ "	6 ³ / ₈ "
SC	small conductor adapter	2-12	-	-

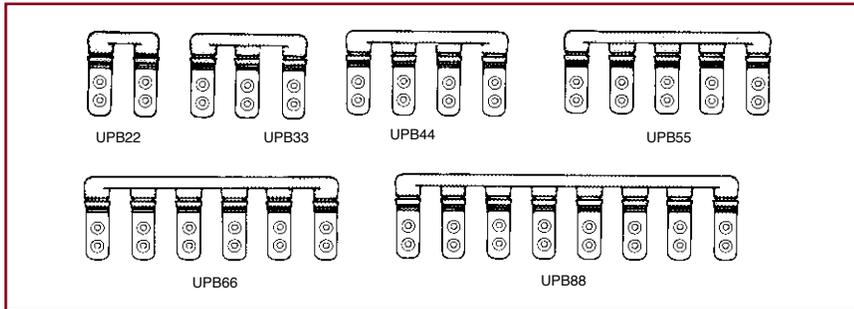
* RUS Listed.

Kit contains the required number of WB20P Plugged Sleeves to cover each terminal, plus a packet of silicon grease, wiping cloth and instruction sheet. Plugged sleeves serve as covers for unused bus positions, 1SC designates one SC Adapter for street light wire (#12-#2 Str. AWG); remaining sleeves are WB20P Size. For other combinations of sealing sleeves, refer to factory.

SUBMERSIBLE BUS CONNECTORS

UPB UBC

- Kit includes bus plus 1 WL2P wide range sleeve for each conductor position
- Bus Ampacity 1000 Amps
- Double set screw bolted connections
- Prefilled with Contax oxide inhibiting compound



TYPE UPB

Type UPB SQUID™ Submersible Bus Set Screw Connectors

Cat. No.	No. of Terminals	Conductor Range	Length inches (mm)	Height w/ Sleeve inches (mm)
UPB22WL2P	2		4.1 (105)	
UPB33WL2P	3		6.1 (105)	
UPB44WL2P	4	2 str—350 kcmil	8.1 (206)	10 (254)
UPB55WL2P	5		10.1 (257)	
UPB66WL2P	6		12.1 (308)	
UPB88WL2P	8		16.1 (410)	
WL2P	Sleeve	2—350 kcmil	8.1 (206)	

- Bus Ampacity 2000 Amps
- Double set screw bolted connections for large terminals
- Single set screw bolted connections for small terminals
- Includes plugged sealing sleeves for each terminal
- Prefilled with Contax oxide inhibiting compound



TYPE UBC

Type UBC SQUID™ Submersible Bus Set Screw Connectors

Cat. No.	No. of Terminals		Conductor Range (AL-CU)		Length inches (mm)	Height with Sleeves inches (mm)
	Large	Small	Large	Small		
UBC31K	1	2			6.5 (165)	10.1 (257)
UBC40K	4	0	2/0—750	2—350	10.9 (276)	10.1 (257)
UBC60K	6	0			16.4 (416)	10.1 (257)
UBC84K	4	4			19.1 (486)	10.1 (257)



SUBMERSIBLE BUS CONNECTORS

UPL

- Elastimold Submersible Lug Connected Junctions are constructed of high conductivity aluminum and are rated per ANSI C119.4 for use on aluminum or copper cables.
- Designs feature fully insulated, sealed and submersible, molded rubber cable sleeves and PVC coated multi-outlet bus.
- Units include field adaptable cable sleeves for installation on a wide range of cable sizes.
- Serrated spades provide low contact resistance; increase conductivity
- EPDM covers Molded By Elastimold® provide:
 - Excellent UV characteristics for overhead applications
 - Excellent aging characteristics under continuous high operating temperatures (130° C)
 - Excellent dielectric strength rating (>700 volts/mil)
 - Excellent resistance to UV, Ozone, Acids, Alkalis
- Bus system tested & qualified under ANSI C119.1



TYPE UPL

Cat. No.	No. of Terminals	Conductor Range	Length inches (mm)
UPL23C	2	350-14	2.9 (72)
UPL33C	3		4.3 (110)
UPL43C	4		5.8 (147)
UPL53C	5		7.3 (185)
UPL63C	6		8.8 (222)
UPL73C	7		10.2 (260)
UPL83C	8		11.7 (297)
UPL93C	9		13.2 (335)
UPL103C	10		14.7 (372)
UPL25C	2		500-14
UPL35C	3	5.5 (140)	
UPL45C	4	7.4 (188)	
UPL55C	5	9.2 (234)	
UPL65C	6	11.0 (280)	
UPL75C	7	12.8 (326)	
UPL85C	8	14.7 (372)	
UPL95C	9	16.5 (418)	
UPL105C	10	18.3 (464)	

Aluminum Single Bolt Lugs

Cat. No.	Conductor Range (Stranded or Compressed)	Used With
B73H	#14	UPL3
C10-38H	#12 and #10	
CTAL6H	#6	
CTAL4H	#4	
CTAL2H	#2	
CTAL1H	#1	
CTAL10H	1 / 0	
CTAL20H	2 / 0	
CTAL30H	3 / 0	
CTAL40H	4 / 0	
CTAL250H	250	UPL5
CTAL350H	350	
B75H	#14	
C10-12H	#12 and #10	
ALS587H	#6	
ALS1H	#4	
ALS3H	#2 and #1	
ALS5H	1 / 0	
ALS7H	2 / 0	
ALS9H	3 / 0	
ALS11H	4 / 0	UPL5
ALS250H	250	
ALS300H	300 and 350	
ALS500H	500	



SUBMERSIBLE BUS CONNECTORS

UPLN

- Elastimold Submersible Lug Connected Junctions are constructed of high conductivity aluminum and are rated per ANSI C119.4 for use on aluminum or copper cables.
- Designs feature fully insulated, sealed and submersible, molded rubber cable sleeves and PVC coated multi-outlet bus.
- Units include field adaptable cable sleeves for installation on a wide range of cable sizes.
- NEMA Bolt Hole Spacing
- Serrated spades provide low contact resistance; increase conductivity
- EPDM covers Molded By Elastimold® provide:
 - Excellent UV characteristics for overhead applications
 - Excellent aging characteristics under continuous high operating temperatures (130° C)
 - Excellent dielectric strength rating (>700 volts/mil)
 - Excellent resistance to UV, Ozone, Acids, Alkalis
- Bus system tested & qualified under ANSI C119.1



Cat. No.	Number of Outlets	Conductor Size Range	Length inches (mm)
UPLN25C	2	500-14	3.8 (97)
UPLN35C	3		5.5 (140)
UPLN45C	4		7.4 (188)
UPLN55C	5		9.2 (234)
UPLN65C	6		11.0 (280)
UPLN75C	7		12.8 (326)
UPLN85C	8		14.7 (372)
UPLN95C	9		16.5 (418)
UPLN105C	10		18.3 (464)

Aluminum 2 Bolt Lugs

Cat. No.	Conductor Size (Stranded or Compressed)
B75H	#14
C10-12H	#12 and #10
ATL6-12H	#6
ALS1H	#4
ALS3H	#2 and #1
ALS6H	1 / 0
ALS8H	2 / 0
ALS10H	3 / 0
ALS12H	4 / 0
ALS14H	250
ALS18H	350
ALS500-2H	500

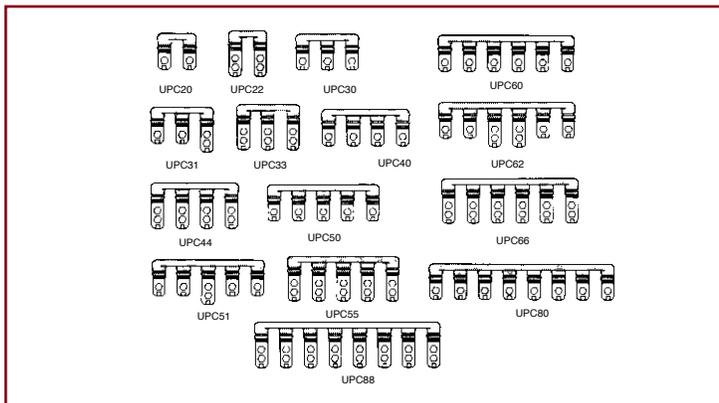
SUBMERSIBLE BUS CONNECTORS

UPC

- Sealed for pedestal, vault, hand hole or direct buried applications
- Uses Type LAC Compression Lugs (See Connector Section)
- Wide range EPDM sleeves with patented O-ring sealing system
- Add SL to catalog numbers for standard street light tap. Adds 2-1/4" to sealed height
- Add SL-1 to selected catalog numbers for side mount street light tap
- Indent on terminals mate with boss on LAC lugs to prevent lugs from rotating



TYPE UPC



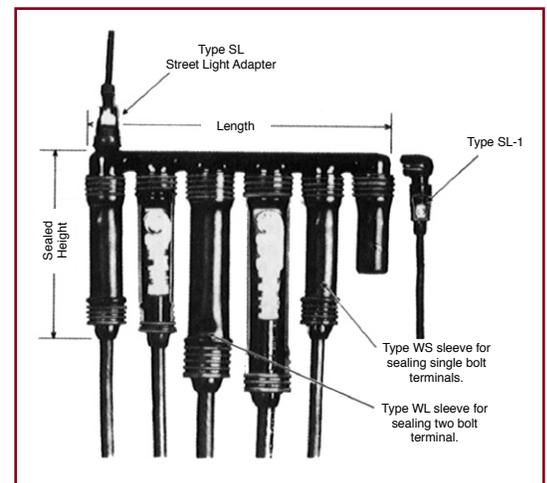
Type UPC SQUID™ Residential Secondary Buses

Cat. No.	No. of Terminals	2-Bolt Large Term.	1-Bolt Small Term.	Length inches (mm)	Height w/Sleeve inches (mm)
UPC20 [‡]	2	0	2	3.3 (84)	6.5 (165)
UPC22 [‡]		2	0	3.8 (97)	8.8 (222)
UPC30 [‡]	3	0	3	5.2 (132)	6.5 (165)
UPC31 [‡]		1	2	5.3 (135)	8.8 (222)
UPC33 ^{*‡}		3	0	5.9 (151)	8.8 (222)
UPC40 [‡]	4	0	4	7.1 (179)	6.5 (165)
UPC41 [‡]		1	3	7.3 (186)	8.8 (222)
UPC42 [‡]		2	2	7.6 (192)	8.8 (222)
UPC44 ^{*‡}		4	0	8.1 (205)	8.8 (222)
UPC50 [‡]	5	0	5	8.9 (227)	6.5 (165)
UPC51 [‡]		1	4	9.2 (233)	8.8 (222)
UPC52 [‡]		2	3	9.4 (240)	8.8 (222)
UPC55 ^{*‡}		5	0	10.2 (259)	8.8 (222)
UPC60 [‡]		6	0	6	10.8 (248)
UPC61 [‡]	1		5	11.1 (281)	8.8 (222)
UPC62 [‡]	2		4	11.3 (287)	8.8 (222)
UPC66 ^{*‡}	6		0	12.3 (312)	8.8 (222)
UPC80 [‡]	8	0	8	14.6 (370)	6.5 (165)
UPC81 [‡]		1	7	14.8 (376)	8.8 (222)
UPC88 ^{*‡}		8	0	16.6 (421)	8.8 (222)

* Available with style "SL-1" street light adapter. ‡ RUS Listed.

Maximum Size Conductor: Single Bolt; 350 kcmil Double Bolt; 500 kcmil

A "WS" sealing sleeve seals a single bolt connector to the bus.
A "WL" sealing sleeve seals a double bolt connector to the bus.



Set Screws

Tighten down to lock SCU connector to Adapter, Adapter to Threaded Stud. Sealing Cap covers these set screws.

Adapter

Four sizes available; correct selection must match size of Threaded Stud.

SCU Connector

Eight styles available to fit any size Threaded Stud.

Bushing Neck

O.D. determines correct selection of Sealing Cap.

Threaded Stud

Size of thread determines correct selection of Adapter.

Sealing Cap

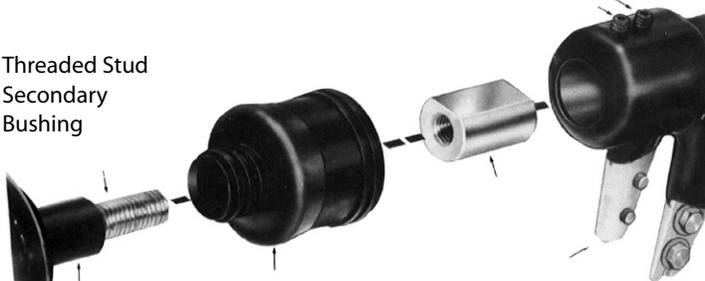
"C" Cap for 1" dia. Bushing Neck; "D" Cap for 1 1/8" dia.; "P2" Cap for porcelain bushings. "O" necessary designation for no cap.



Type P2 Cap
For porcelain bushings

Set screws in SCU connector are tightened down on flat side of Adapter; pressure deforms Adapter to lock Adapter and SCU connector to threaded stud; set screws can be backed-off Adapter and SCU connector removed from transformer without removing conductor from connector.

Threaded Stud Secondary Bushing



O-rings in sealing cap seal around Bushing Neck and SCU connector.

Bushing Neck

Adapter screws on threaded stud of bushing; "flat" side of Adapter must be oriented to receive set screws.

SCU connector slips over Adapter. All Adapters have same O.D., all SCU connectors have same Adapter cavity I.D.



- The Type SCU is a removable connector designed for padmount or submersible transformer threaded stud secondary bushings.
- Connector can be detached from the transformer without disconnecting the attached conductors. A single SCU connector with two basic adapters, can be used on all popular threaded studs.
- The connector is high strength cast aluminum alloy, insulated with 80 mils (min.) of a specially formulated PVC coating
- Select proper Type sleeve for each tap to make the SCU connector completely submersible and "deadfront"
- For aluminum conductor, #6 str. through 500 kcmil
- Connectors supplied with sems-type 3/8" plated steel bolt with captive Belleville Washer; use Type LAC or LCU lugs
- Indent on terminals mate with boss on LAC lugs to prevent lugs from rotating.

SCU

Type SCU SQUID™ Submersible Bus Transformer Connectors

Table 1

Connector Cat. No.	Wire Range	For Stud Thread	Number of Terminals	Bolts per Terminal	Dimensions inches (mm)		
					L	H	W
SCU11 [‡]	4 str—500 kcmil	1—14 5/8—11	1	2	3.6 (90)	5.7 (144)	2.3 (57)
SCU22 [‡]	4 str—500 kcmil		2	2	5.8 (146)	5.7 (144)	2.3 (57)
SCU40 [‡]	6 str—350 kcmil		4	1	9.1 (230)	4.7 (120)	2.3 (57)
SCU44 [‡]	4 str—500 kcmil		4	2	10 (254)	5.7 (144)	2.3 (57)
SCU60 [‡]	6 str—350 kcmil		6	1	7.9 (200)	4.8 (122)	3.5 (89)
SCU66 [‡]	4 str—500 kcmil		6	2	8.1 (204.8)	5.6 (143)	3.2 (81)
SCU80 [‡]	6 str—350 kcmil		8	1	10 (254)	4.8 (122)	3.5 (89)
SCU88 [‡]	4 str—500 kcmil		8	2	10.2 (259)	5.6 (143)	4 ()

[‡] RUS Listed.

Add suffix S for street light position.

A "WS" sealing sleeve seals a single bolt connector to the bus.

A "WL" sealing sleeve seals a double bolt connector to the bus.

How to Order:

1. Select the style SCU Connector desired from Table 1. If a street lighting tap (for #12 sol - #4 str) is desired, add the suffix "S" immediately after the connector cat. number.
2. Add an adapter from Table 2 to match the thread on the bushing stud.
3. Add the Sealing Cap from Table 3 to correspond to the diameter of the bushing neck.

Individual component parts — SCU Connector, Adapter, Sealing Cap — may be ordered separately.

Example:

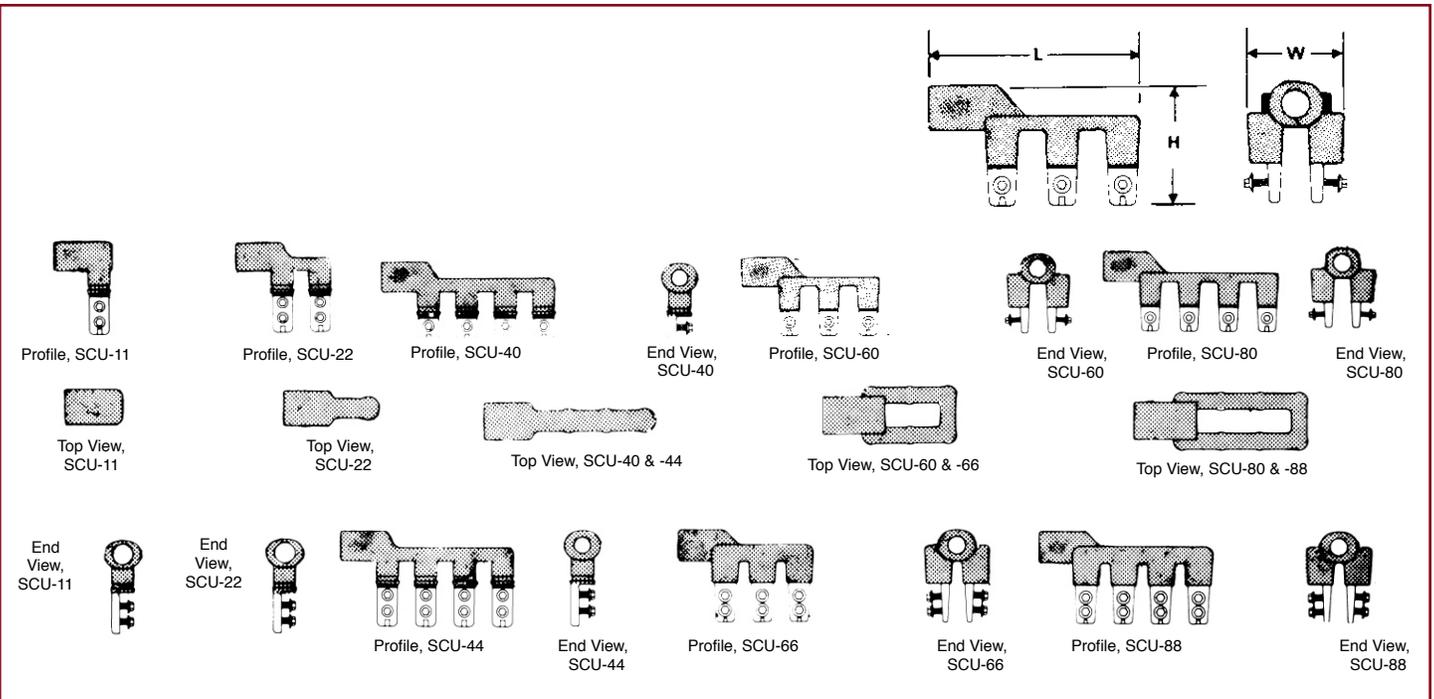
The installation calls for a SCU44 to be installed on a bushing with a 5/8"—11 threaded stud, the bushing has a 1" diameter neck, and a street lighting tap is desired. The correct cat. number is: SCU44-S-A58-C.

Table 2

Adapter Cat. No.	For Stud Thread
A10	1"—14
A58	5/8"—11

Table 3

Sealing Cap Cat. No.	Diameter of Bushing Neck
C	1
D	1 5/8
P2	For porcelain bushings
O	Must be designated if no sealing cap is desired



SUBMERSIBLE TRANSFORMER BUS

STREET LIGHT

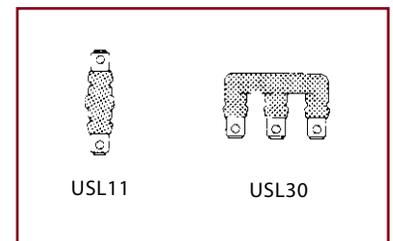
- Street Light Secondary Buses - for pedestal, vault, handhole, light base or direct buried - bus ampacity 100 ampres.
- Identical in design to the street lighting connection provided on the field proven SQUID terminal buses; perfect in applications calling for numerous street lighting taps.
- Conductor use range - #12 sol. (.080 min.) through #4 str. (.312 max), aluminum or copper
- Insulation Diameter Range from .22" to .42"
- 600 volt rated.
- Contoured plated set-screw does not damage conductor when tightened down. Available with hex socket screw. Add suffix - H
- Shipped with Type SL covers with SLP push out plugs.
- SL cover is used as the "sealing sleeve" after a conductor has been connected to a terminal.
- To seal unused terminals, install the sleeve with plug.



TYPE USL

Type USL SQUID™ Submersible Street Light Connectors

Cat. No.	No. of Conductors	Width	Height w/Sleeve inches
USL11	2	-	5.3
USL30	3	3.6	3.1



USL11

USL30

- Constructed of 356-T6 aluminum alloy, this adapter can be used to connect small copper or aluminum conductors, #10 solid through #4 str. AWG, to any standard SQUID bus junction which accommodates type LAC lugs.



TYPE SLA1

Type SLA1 Street Light Adapter

Cat. No.	Description
SLA1	Street Light Adapter



SUBMERSIBLE SPLICE COVERS

CRS/P

- EPDM insulation Molded By Elastimold®
 - Peroxide cured EPDM rubber, unlike sulfur, provides superior tension set characteristics
 - Maintains proper pressure around sealing rings over service life – does not relax
 - Excellent UV characteristics for overhead applications
 - Excellent aging characteristics under continuous high operating temperatures (130° C)
 - Excellent dielectric strength rating (>700 volts/mil)
 - Excellent resistance to UV, Ozone, Acids, Alkalis
- Rubber covers are easy to install
 - Eliminate taping
 - Increase system reliability
 - Minimize material and labor costs
- Rubber covers are used with aluminum and copper compression or set-screw connectors
- The Elastimold cover & plug design feature field adaptable cable sealing sleeves allowing a wide conductor range coverage – Just trim the sealing ring provided at the proper step
- A wide array of aluminum and copper connectors are available for use with the CRS/P covers. All connectors meet or exceed ANSI C119.4 class A requirements
- Unlimited Applications
 - Taps (Compression, bolted)
 - Terminations
 - Splices (Compression, Setscrew)
 - Insulated pin terminals
 - Cable caps
- May order plugs or covers separately
 - Example: P350, CRS350L
 - Plugs supplied with PVC Support Tube.



Make Your Own Kit

1. Select the proper connector based on the conductor size(s) to be used – equal size both sides, or a reducer. (See pages E-1 & E-2).
2. Select the proper cover based on connector OD and length. Allow adequate space for connector expansion due to crimping).

Kits are bagged for cleanliness and include installation instructions and silicone grease

The Elastimold® Rubber covers meet or exceed ANSI C119.1

- All connectors include Contax® oxide inhibitor and silicone grease for ease of installation and convenience
- For other options, please consult with the factory

Cat. No.	Conductor Size Range	ID	Length
CRSP350L	#6 to 350 MCM	.89	4 7/8
CRSP500	#6 to 500 MCM	1.12	4 7/8
CRSP500L	#6 to 500 MCM	1.12	7 5/8



SUBMERSIBLE SPLICE KITS

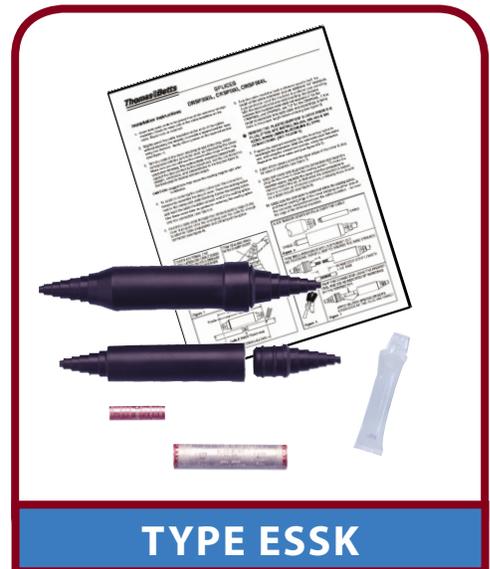
ESSK

READY KITS

EPDM rubber housings rated 600 Volts
Applications: Underground – Direct Burial - Overhead

- EPDM insulation Molded by Elastimold®
 - Peroxide cured EPDM rubber, unlike sulfur, provides superior tension set characteristics
 - Maintains proper pressure around sealing rings over service life – does not relax
 - Excellent UV characteristics for overhead applications
 - Excellent aging characteristics under continuous high operating temperatures (130° C)
 - Excellent dielectric strength rating (>700 volts/mil)
 - Excellent resistance to UV, Ozone, Acids, Alkalis

- The Elastimold® rubber covers feature field adaptable cable sealing sleeves allowing a wide conductor range coverage – Just trim the sealing ring provided at the proper step.
- Kits may be supplied with the sealing rings factory pre-cut for installer convenience and minimizing installation errors.
- Kits are pre-assembled in a plastic bag with all necessary components (covers, plugs, connector(s), other hardware, silicone grease, installation instructions)
- ESSK kits are easy to install
 - No mismatched parts
 - All components are conveniently located
 - Increase system reliability
 - Minimize material inventory and labor costs



TYPE ESSK

The Elastimold® Rubber covers meet or exceed ANSI C119.1

- All connectors include Contax® oxide inhibitor and silicone grease for ease of installation and convenience
- For other options, please consult with the factory

Splice Kit Cat. No.	Conductor Size		Insulating Cover Cat/ Number	
	Side A	Side B		
ESSK6	6	6	CRSP350L	
ESSK4	4	4		
ESSK2	2	2		
ESSK24	2	2		
ESSK1	1	1		
ESSK10	1/0	1/0		
ESSK102	1/0	1/0		
ESSK20*	2/0	2/0		
ESSK201	2/0	1		
ESSK202	2/0	2		
ESSK2010	2/0	1/0		
ESSK30	3/0	3/0		
ESSK3010	3/0	1/0		
ESSK3020	3/0	2/0		
ESSK40	4/0	4/0		
ESSK4010	4/0	1/0		
ESSK4020	4/0	2/0		
ESSK4030	4/0	3/0		
ESSK250	250	250		CRSP500 or CRSP500L
ESSK300	300	300		
ESSK350	350	350		
ESSK35040	350	4/0		
ESSK500	500	500		

SUBMERSIBLE CONNECTOR ACCESSORIES

WS, WL, WB, WH SPL

SQUID™ Sealing Sleeves

The key feature of the Blackburn SQUID System is its sealing method. There's no tape, no compound, no heat source required...just an EPDM rubber sealing sleeve that grips the conductor insulation on one end and seals onto the insulated bus on the other end. What makes it possible? EPDM rubber...the elastomer with a "memory." It always returns to its original shape. An underground system is only as good as its sealing-quality, and the SQUID design provides the best.

To order, determine cable diameter over insulation O. D. Use approved grease to facilitate installation.

Type WS, WL, WB, and WH Wide Range Sealing Sleeves

Cat. No.	For Use On	Sealing Range (Conductor O. D. Over Insulation)	Length inches
WS2P [‡]	Single-Bolt UPC, SCU	.39" - .92"	6 ¹ / ₁₆
WL2P [‡]	Two-Bolt UPC, UPB, SCU	.39" - .92"	8 ⁵ / ₁₆
WL3P [‡]	UPC, UPB, SCU	.54" - 1.19"	8 ⁵ / ₁₆
WB20P [‡]	UB	.39" - .92"	5 ³ / ₈
SC [‡]	Small Conductor Adapter for WS, WL2 and WB sleeves	.18" - .40"	-
WHB3P [‡]	UBC Bus (large terminal)	.54" - 1.27"	7 ³ / ₈

[‡] RUS Listed.

Type WS, WL, WB, and WH Wide Range Sealing Sleeves

Cat. No.	Conductor O. D. Over Insulation
SPL4	.22 - .38
SPL5	.38 - .60
SPL6	.56 - .74



- Sleeves provided with plug installed for use as terminal covers.
- It is sometimes possible that #2 compact standard 600V Underground Service Entrance Cable may have an insulation O. D. less than 0.390"; in these instances it is suggested that a Type SC Adapter be used.



- This EPDM plug can be used with SQUID Type WL sleeves to make a splice cover for #6 str through #4/0 connections.

SUBMERSIBLE SPLICE KITS

WKBS, WDBS

- Complete splicing kits include cover housing, two end caps, compression connector (prefilled with Contax), silicone grease packet and instruction sheet
- Kits cover most frequent splicing combinations from #6 str. through 1000 kcmil
- WDBS & DBS are covers only.
- KBS kits use the field-proven SQUID "O" ring sealing system that completely eliminates taping, heat shrinking or compound sealing; end caps molded of EPDM elastomer, retain their shape and airtight sealing characteristics under the most severe "direct buried" conditions; they are completely submersible



Type WKBS and KBS Wide Range Splicing Kits

Kit Cat. No.	Splice Cover Cat. No.	Splice Cover Conductor Range		Compression Connector Cat. No.	Compression Connector Conductor Range	
		"A" Cable O.D.	"B" Cable O.D.		"A" Conductor	"B" Conductor
WKBS21	WDBS11	.180—.400	.180—.400	KL20	6 str—6 comp	6 str—6 comp
WKBS20	WDBS11	.180—.400	.180—.400	KL22	2 str—4 comp	4 str—4 comp
WKBS19	WDBS22	.390—.923	.390—.923	KL25	2 str—2 comp	2 str—2 comp
WKBS11	WDBS22	.390—.923	.390—.923	KL31	1	1
WKBS7	WDBS22	.390—.923	.390—.923	KL45	1—2	2/0
WKBS2	WDBS22	.390—.923	.390—.923	KL365	1/0 str—1/0 comp	1/0 str—1/0 comp
WKBS4	WDBS22	.390—.923	.390—.923	KL476	2/0 str—2/0 comp	2/0 str—2/0 comp
WKBS10	WDBS22	.390—.923	.390—.923	KL47	2/0	2/0
WKBS5	WDBS22	.390—.923	.390—.923	KL67	2/0	4/0
WKBS8	WDBS22	.390—.923	.390—.923	KL581	3/0	3/0
WKBS3	WDBS22	.390—.923	.390—.923	KL698	4/0 str—4/0 comp	4/0 str—4/0 comp
KBS9	DBS44	.690—.900	.690—.900	RS2525	250 kcmil	250 kcmil
KBS12	DBS44	.690—.900	.690—.900	RS4040	350 kcmil	350 kcmil
KBS24*	DBS44	.690—.900	.690—.900	RS403	400—336 kcmil	4/0 str—4/0 comp
KBS13*	DBS55	.900—1.160	.900—1.160	RS4040	400 kcmil	400 kcmil
KBS14	DBS66	.900—1.160	.900—1.160	RS4545	500 kcmil	500 kcmil
KBS16*	DBS77	1.160—1.370	1.160—1.370	RS8080	750 kcmil	750 kcmil
KBS17*	DBS88	1.370—1.530	1.370—1.530	RS100100	1000 kcmil	1000 kcmil

* Manufactured to order; contact factory for delivery.

Type CS Sleeves, 5/8 Die

Cat. No.	End "A" Conductor Range		End "B" Conductor Range	
	AWG	Color Code	AWG	Color Code
CS61	8 str 6 sol	Green	8 str 6 sol	Green
CS62	6 str 4 sol	Blue	10 str 4 sol	Brown
CS63	6 str 4 sol	Blue	8 str 6 sol	Green
CS64	6 str 4 sol	Blue	6 str 4 sol	Blue
CS65	3-4 str 2 sol	Orange	10 str 8 sol	Brown
CS66	3-4 str 2 sol	Orange	8 str 6 sol	Green
CS67	3-4 str 2 sol	Orange	6 str 4 sol	Blue
CS68	3-4 str 2 sol	Orange	3-4 str 2 sol	Orange
CS69	1-2 str	Red	10 str 8 sol	Brown
CS70	1-2 str	Red	8 str 6 sol	Green
CS71	1-2 str	Red	6 str 4 sol	Blue
CS72	1-2 str	Red	3-4 str 2 sol	Orange
CS73	1-2 str	Red	1-2 str	Red
CS74	1/0 str	Yellow	8 str	Green 6 sol
CS75	1/0 str	Yellow	6 str 4 sol	Blue
CS76	1/0 str	Yellow	3-4 str 2 sol	Orange
CS77	1/0 str	Yellow	1-2 str	Red
CS78	1/0 str	Yellow	1/0 str	Yellow
CS84	2/0 str	Gray	1/0 str	Yellow
CS85	2/0 str	Gray	2/0 str	Gray



TYPE CS

- For combinations of aluminum-aluminum and aluminum-copper conductors.
- Sleeves are made of highly conductive aluminum.
- Quick identification with color coded foil caps.
- Solid center stop assures proper conductor positioning.
- Meet ANSI C 119.4 requirements.
- RUS Listed.
- Install with standard compression dies.

Cat. No.	Installation Dies	
	Mech.	Hyd.
All	5/8 (OD58 Tool) Peach, BG, G, TU	U-BG B58CS, 52

Type KL Compression Sleeves, 840 Die

Cat. No.	End "A" Conductor Range		End "B" Conductor Range	
		Color Code		Color Code
KL20-1	6str 6 str compact	Blue	6 str 6 str compact	Blue
KL22-1	4 str 4 str compact	Orange	4 str 4 str compact	Orange
KL25-1	2 str 2 str compact	Red	2 str 2 str compact	Red
KL31-1	1/0 sol Al, 1 str 1/0 str compact	Red	1/0 sol Al, 1 str 1 str compact	Red
KL36-1	1/0 str 2/0 str compact	Yellow	1/0 str 2/0 str compact	Yellow
KL45-1	2/0 str 3/0 str compact	Gray	1-2 str 1str compact	Red
KL46-1			0 str 2/0 str compact	Yellow
KL47-1			2/0 str 3/0 str compact	Gray
KL54-1	3/0 str 4/0 str compact	Black	3-4 str 2 sol	Orange
KL55-1			1-2 str 1 str compact	Red
KL56-1			1/0 str 2/0 str compact	Yellow
KL57-1			2/0 str 3/0 str compact	Gray
KL58-1			3/0 str 4/0 str compact	Black
KL64-1			4/0 str	Pink
KL65-1	1-2 str 1 str compact	Red		
KL66-1	1/0 str 2/0 str compact	Yellow		
KL67-1	2/0 str 3/0 str compact	Gray		
KL68-1	3/0 str 4/0 str compact	Black		
KL69-1	4/0 str	Pink		

See Technical Reference for further information.



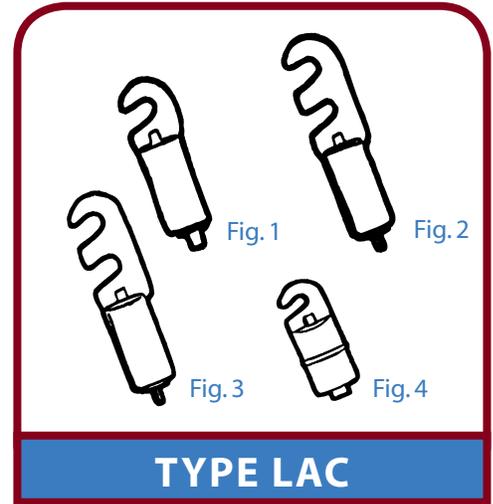
- For combinations of aluminum-aluminum and aluminum-copper conductors.
- Splices large conductors required for commercial service; use as low cost reducing sleeve.
- All sizes can be installed with popular mechanical and hydraulic tools.
- Center stop assures proper conductor positioning.
- Meet ANSI C 119.4 Requirements
- Install with standard compression dies.

Cat. No.	Installation Dies	
	Mech.	Hyd.
All	840, W-K840, EEI,-11A, TX	840, U-K840 U249, B49EA

LAC

Type LAC Slotted Tang Compression Terminal Lugs

Cat. No.	Color Code	Conductor Size			Fig. No.	Installation Dies	
		Str.	Sol.	Compressed Compact		Mech. Tool	Hydr. Tool
LAC6	Blue	6 str	5 sol	6 AWG	1	BY37 840	B49EA U-K840
LAC4	Orange	4 str	3 sol	4 AWG			
LAC3	Purple	3 str	2 sol	-			
LAC2	Red	2 str	1 sol	2 AWG			
LAC1	White	1 str	1/0 sol	1 AWG			
LAC10	Yellow	1/0 str	2/0 sol	1/0 AWG			
LAC20	Gray	2/0 str	3/0 sol	2/0 AWG	2	BY37 840	B49EA U-K840
LAC30	Black	3/0 str	4/0 sol	3/0 AWG			
LAC40	Pink	4/0 str	-	4/0 AWG			
LAC42	Orange	4 str	3 sol	4 AWG			
LAC32	Purple	3 str	2 sol	-			
LAC22	Red	2 str	1 sol	2 AWG			
LAC12	White	1 str	1/0 sol	1 AWG			
LAC120	Yellow	1/0 str	2/0 sol	1/0 AWG			
LAC202	Gray	2/0 str	3/0 sol	2/0 AWG			
LAC302	Black	3/0 str	4/0 sol	3/0 AWG			
LAC402	Pink	4/0 str	-	4/0 AWG			
LAC25	Green	350 kcmil 266.6 kcmil	-	250 kcmil			
LAC35	Brown	300 kcmil 350 kcmil	-	350 kcmil			
LAC50	Aqua	400 kcmil 500 kcmil	-	500 kcmil			
LAC125	Green	250 kcmil 266.8 kcmil	-	250 kcmil	4	-	B80EA 1.125" 655
LAC135	Brown	300 kcmil 350 kcmil	-	350 kcmil			
LAC150	Aqua	400 kcmil 500 kcmil	-	500 kcmil			



- Designed for standard aluminum #6 through 500 kcmil, or for #6 sol-1/0 str. copper.
- Compressed with standard tools and dies.
- Prefilled with Contax oxide inhibiting compound
- Four styles available:
 - Fig. 1 - Single hole tang (#6 str. through 350 kcmil)
 - Fig. 2 - Two-hole tang (#4 through 4/0 str.)
 - Fig. 3 - Large two-hole tang (250 kcmil through 500 kcmil).
 - Fig. 4 - For use with TSL or TNL buses only.
- Fig. 1 lugs can be covered with type WS sleeves; other Figures are covered with Type WL sleeves.
- The LAC has small "boss" on both sides of lug tang which fit the indent on bus, preventing lug from rotating.
- Single-hole lugs can be bolted to two-hole terminals of bus
- Slot allows lug to be bolted to bus without removing bus.
- RUS Listed

**CAL
LCU**

- Designed for use with aluminum conductor, 6 str. - 4/0; for use with 3/8" hardware.
- Made of dead-soft EC grade aluminum.
- Prefilled with Contax.
- Available Tin Plated - Add suffix P.

Aluminum Compression Lugs

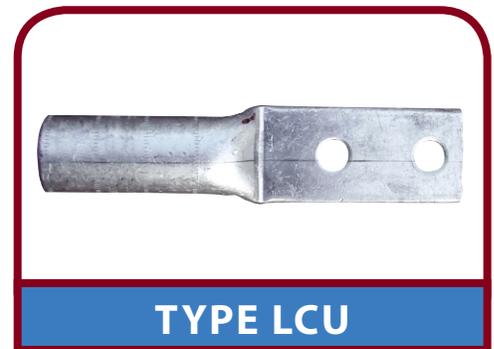
Cat. No.	Color Code	Conductor Size			Installation Dies	
		Str.	Sol.	Compressed Compact	Mech. Tool	Hydr. Tool
CAL6	Blue	6 str	5 sol	6 AWG	BY 37 840	B 49 EA U-K840 249
CAL4	Orange	4 str	3 sol	4 AWG		
CAL3	Orange	3 str	2 sol	-		
CAL2	Red	2 str	1 sol	2 AWG		
CAL1	White	1 str	1/0 sol	1 AWG		
CAL10	Yellow	1/0 str	2/0 sol	1/0 AWG		
CAL20	Gray	2/0 str	3/0 sol	2/0 AWG		
CAL30	Black	3/0 str	4/0 sol	3/0 AWG		
CAL40	Pink	4/0 str	-	4/0 AWG		



- Bolts to SQUID buses accepting Type LAC lugs; designed for use on copper transformer secondary leads.
- Size 1/0 str. through 500 kcmil.
- Tin plated.
- Extra long barrel designed to extend outside sleeve for proper seal.

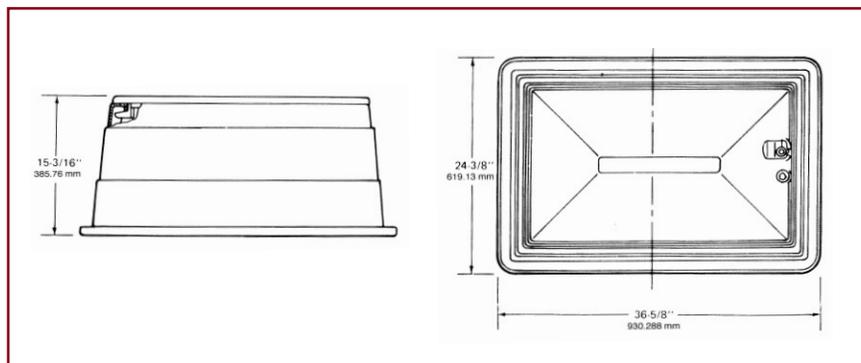
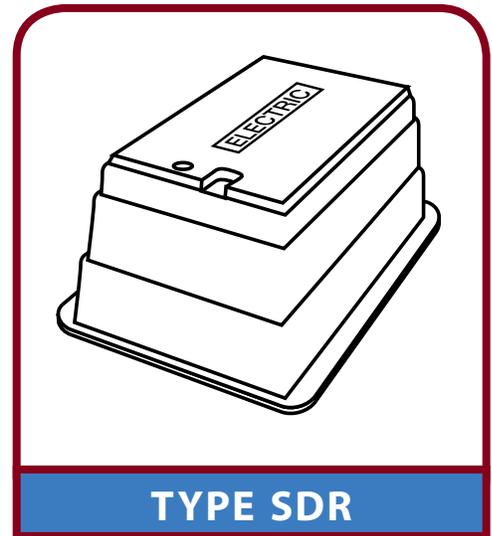
Copper Compression Lugs

Cat. No.	Cond. Sleeve	Use Sleeve	Length (in.)	Installation Dies	
				Mech. Tool	Hydr. Tool
LCU102	1/0 str	WL2	4.25	BY23	U25RT
LCU202	2/0 str	WL2	4.25	BY25	U26RT
LCU302	3/0 str	WL2	4.75	BY25	U27RT
LCU402	4/0 str	WL2	4.75	5/8 - 1, BY31	U28RT
LCU2502	250 str	WL2	4.75	BY 27	U29RT
LCU3502	350 str	WL3	4.75	BY37	U31RT
LCU5002	500 str	WL3	4.75	-	U34RT



SDR

- One-piece cover molded of fiberglass reinforced polyester, light green color
- Cover and body designed with reinforcing ribs to withstand back-filling pressures in all types of soil
- Polyester covers are furnished with stainless steel locking stud and penta-head bolt; locking studs accommodate ring lock, crimp, cap, or pad-lock
- Adjustable side support brackets mounted on cover limit flexure of vault sides from soil pressure and aid in reclosing cover
- Cover surface textured for increased skid resistance
- Cover permanently inscribed with molded in "ELECTRIC"
- Vaults stackable for pallet



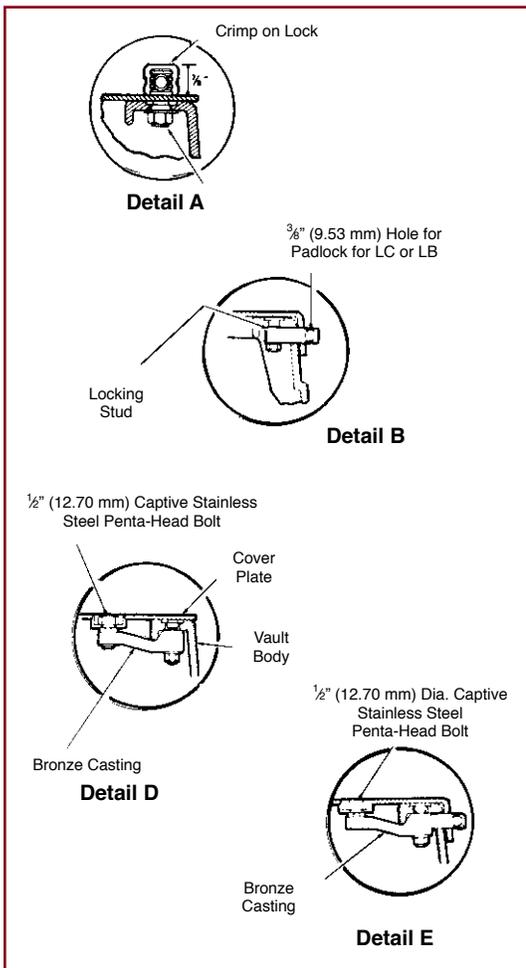
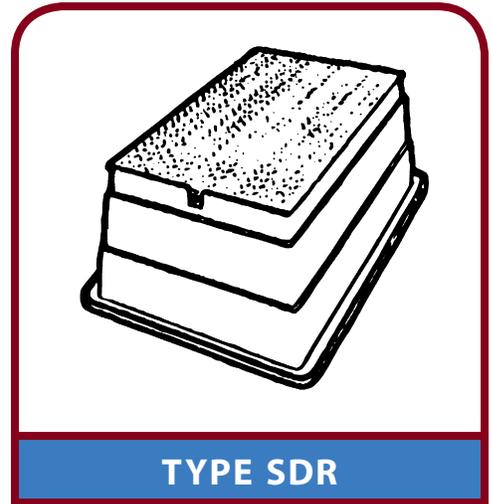
Type SDR Below Grade Service Enclosure with Fiberglass Reinforced Cover

Cat. No.	Description
SDR	Vault with recessed locking stud and penta-head bolt in cover

URD SERVICE ENCLOSURES

SDR

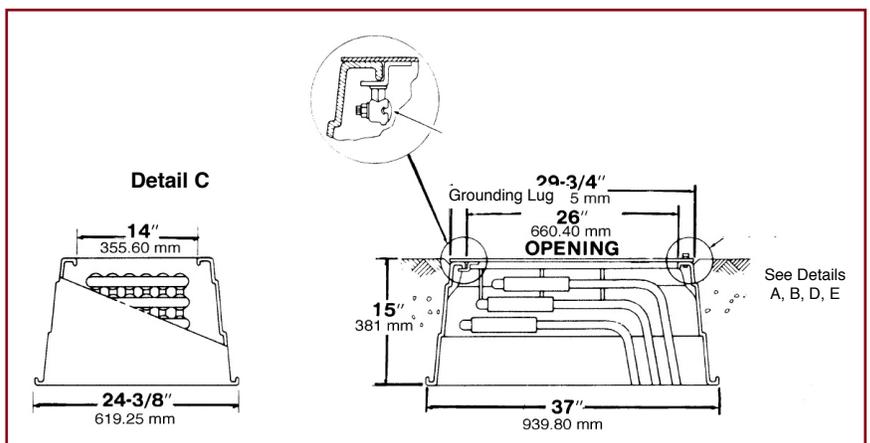
- Rectangular shape of Type SDR provides more usable space, and is a practical, economical method of providing a below-grade service enclosure
- One-piece, molded of high density polyethylene (black; 5/16" minimum thickness) which is not affected by adverse underground environment
- Diamond-pattern, galvanized steel cover plate provides secure, heavy duty protection; enclosure can withstand 3000 lbs.
- Flange around base prevents overturning or up-heaving due to freeze-thaw cycles
- SDR may be locked with five types of locks; (1) compression ring, (2) bolted ring, (3) compression cap, (4) pad-lock, or (5) recessed, penta-head lock provides convenient re-entry method
- Unit also available with high conductivity bronze grounding connector with wire range of #8 sol. through 2/0 str.
- Type SDR with steel cover may be ordered with 3" x 12" stainless steel plate (24 gauge) identifying the service as ELECTRIC or TELEPHONE; the plate comes blind riveted to



Type SDR Below Grade Service Enclosures With Steel Cover

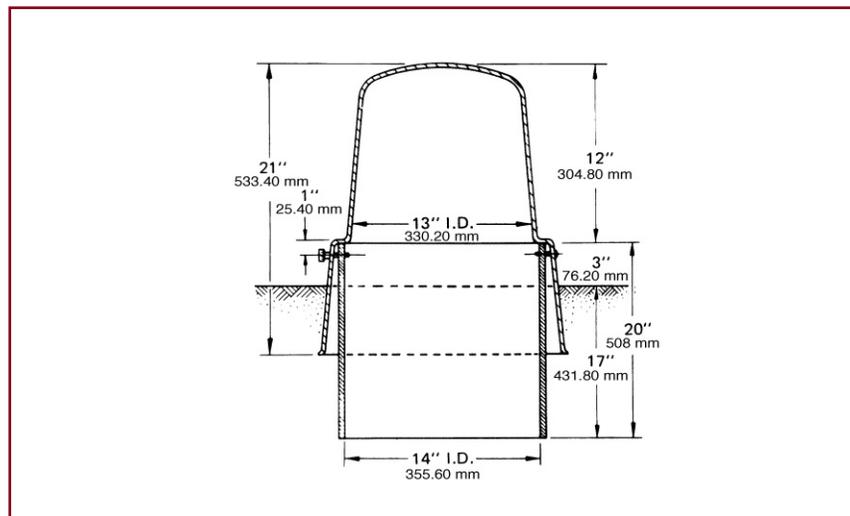
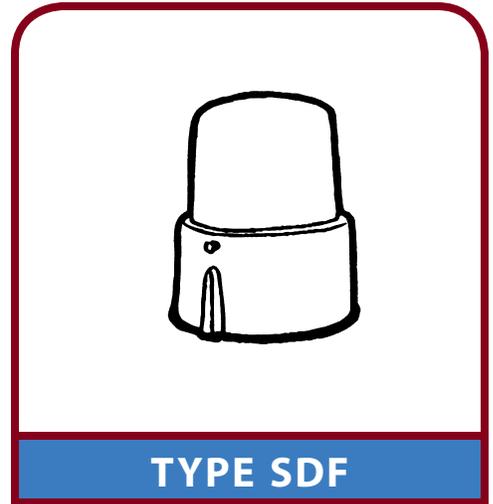
Cat. No.	Description
SDR1	Enclosure with lock on top (See Detail A)
SDR1G	Enclosure with lock on top and grounding lug (See Detail A and C)
SDR2	Enclosure with lock on side (See Detail B)
SDR2G	Enclosure with lock on side and grounding lug (See Detail B and C)
SDRP	Enclosure with captive, recessed, top penta-headbolt (See Detail D)
SDRPG	Same as SDRP, except with grounding lug (See Detail C and D)
SDR2P	Enclosure with combination SDR2 and SDRP locking arrangements (See Detail E)
SDR2PG [‡]	Same as SDR2P, except with grounding lug (See Detail C and E)

[‡] RUS Listed.



SDF

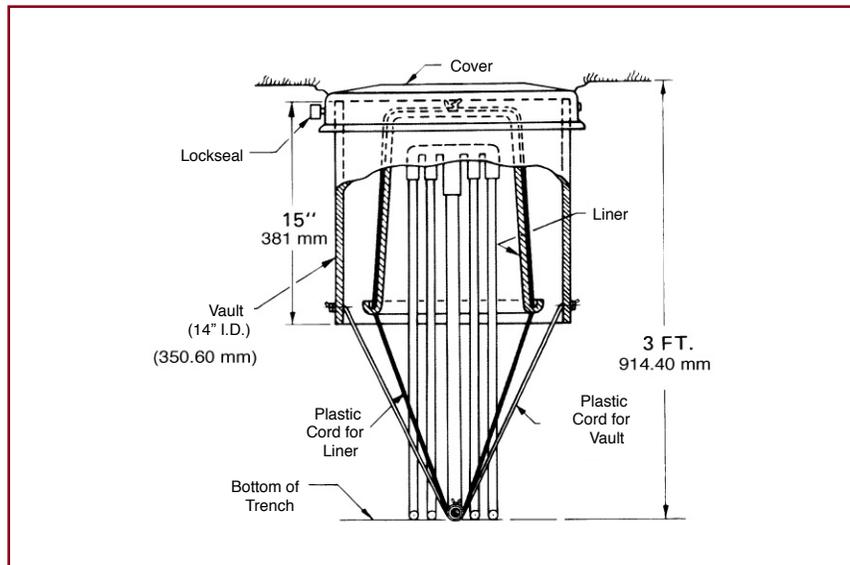
- Unit consists of 14" I.D. PVC vault with a 1/8" thick green fiberglass dome, 21" high
- Dome slips over vault and is secured with stud on one side and stainless steel locking device on opposite side
- Locking device secured with padlock meter-seal, or soft lead seal crimped with pliers
- A 9" skirt on dome permits variation of final grade level
- Dome acts as bell-jar to protect connectors in trapped air pocket
- Installation instructions packed with each assembly



Type SDF Above-Grade Pedestal

Cat. No.	Description	Overall Height Dome	I.D. Dome	I.D. Pipe	Weight
SDF3	Fiberglass pedestal	21	13	14	24 lbs.

- Unit consists of 14" I.D. PVC vault with 3/16" thick green fiber glass cover
- Cover slips over vault and secures with stud on one side, and stainless steel locking device on opposite side
- Locking device secured with padlock, meter-seal, or soft-lead seal crimped with pliers
- Optional extras — plastic "bell-jar" liner and tie-down cords
- Installation instructions packed with each assembly



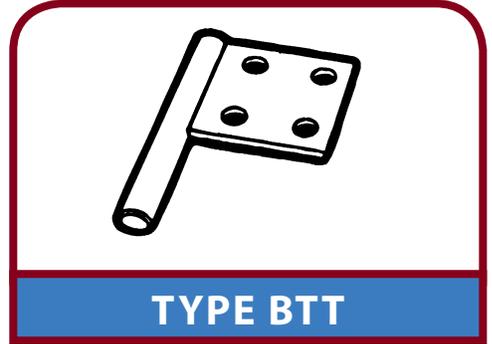
Type SDG Grade Level Handhole

Cat. No.	Description	Overall Height Inches (mm)	Diameter Inches (mm)		Weight
			I.D. of Cover	I.D. of Pipe	
SDG24	Cover + vault	15.8 (400)	15.2 (386)	14.0 (356)	16 lb.
SDG248	Cover, vault and vault tiedown				
SDG247	Cover, vault, liner with tiedown				17 lb.
SDG2478	Cover, vault with tiedown and liner with tiedown				

MISCELLANEOUS URD ACCESSORIES

BTT /TAT

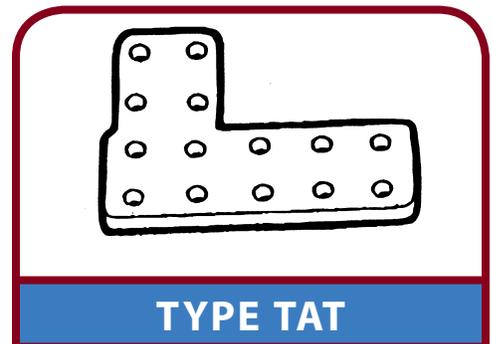
- Standard NEMA spaced bolt holes allow multiple taps with compression or bolted terminal lugs
- Tin plated high strength bronze alloy
- $\frac{3}{4}$ " shank diameter



Type BTT Transformer Tap Adapters

Cat. No.	Number of Mounting Holes
BTT4	4
BTT6	6

- For bolting to $1\frac{3}{4}$ " NEMA standard transformer secondary spade
- Rated 2000A @ 90°C
- Use type AL, ALS, or LCN lugs and $\frac{1}{2}$ " hardware
- $\frac{27}{32}$ thick
- Available tin plated—add suffix P

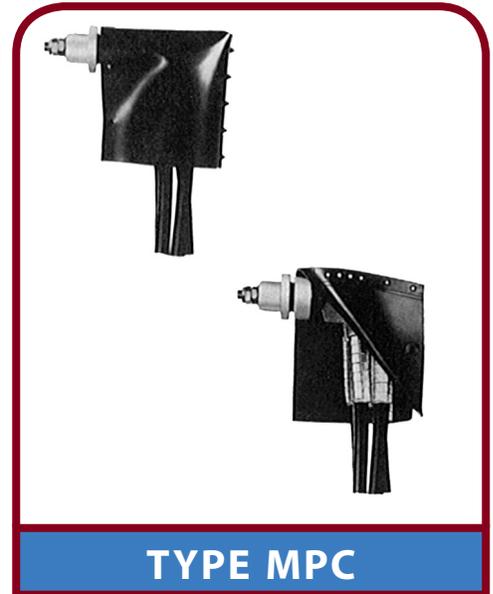


Type TAT Aluminum Transformer Spade Connectors

Cat. No.	No. of Tapes	Length inches (mm)
TAT 8	8	7.0 (178)
TAT 10	10	9.3 (235)
TAT 12	12	11.1 (283)

MPC / YT & RT

- Type MPC is a multi-purpose insulating cover for 600 volt or less padmount transformer terminals; it is one piece molded from EPDM rubber
- Designed to insulate most porcelain bushings and attached lugs, or other secondary connector attachments; this flexibility as an insulating cover is obtained with multiple interlocking snap tabs that assure a snug fit around the terminal bushing
- MPC cover provides fast, economical insulation on uncovered transformer terminals
- Rating "600 volts" is molded on each cover
- Two lengths, 9" or 15" and the 10" skirt to cover terminal-lug connections, give a broad range of applications; the use of high quality EPDM molded rubber eliminates age-cracking



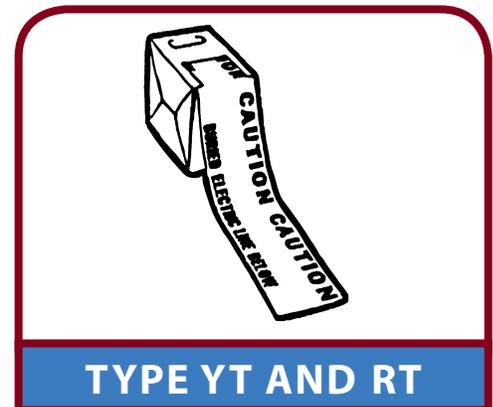
TYPE MPC

Type MPC Multi-Purpose Insulating Covers

Cat. No.	Length inches (mm)	Height inches (mm)
MPC9	9 (229)	10 (254)
MPC15	15 (381)	10 (254)

RUS Listed.

- Minimize dig-ins on U.D. lines with brilliant yellow or red warning tape; installed approximately 8" below ground level; Type YT or RT is a positive, unmistakable alert that lines lie below
- Made of lightweight but rugged polyethylene to resist high or low pH conditions
- Can be installed over new or existing lines
- Available with special imprint with order of 12 rolls, or more



TYPE YT AND RT

Type YT and RT Warning Tape for Buried Electric Cables

Cat. No.	Width Inches (mm)	Length Feet	Color
YT6	6 (152)	1000'	Yellow
YT3	3 (76)	1000'	Yellow
RT6	6 (152)	1000'	Red
RT3	3 (76)	1000'	Red

Secondary Underground

TRANSFORMER CONNECTORS, SUBMERSIBLE SPLICES AND BUSBARS

Thomas & Betts

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T&B Utility
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Memphis, TN 38125
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2. In no event shall UPG be liable for consequential, indirect or special damages, nor (except as may otherwise specifically be agreed to in writing by an authorized person(s) within UPG or through an authorized representative of UPG) shall UPG be liable for transportation, labor, or other charges for adjustments, repairs, replacements of parts, installation of other work which may be done upon or in connection with the application of such products by the distributor, his customer or utilized by an-end user.

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