



URD UNDERGROUND RESIDENTIAL DISTRIBUTION

For over 70 years, BURNDY has pioneered and produced economical, dependable connectors and protective devices for urban underground distribution systems. This extensive experience has been applied to the development of equipment for low cost underground distribution systems for light commercial and residential areas.

Increasing interest by home buyers and developers has created a need for URD components comparable in cost with those used in overhead systems.

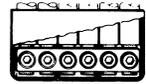
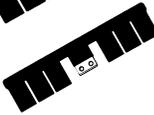
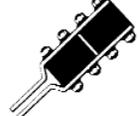
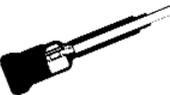
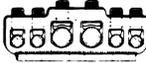
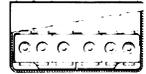
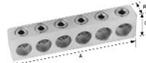
Using connectors designed for other purposes, early URD installations were relatively expensive. Recognizing the need to reduce

installation costs BURNDY developed a line of connectors specifically for URD.

These products are shown in this section. They are the result of a continuing search for new materials and more efficient production methods to bring down cost to meet the requirements of low cost underground construction.

TYPE PAGE.....Page

URD SECTION

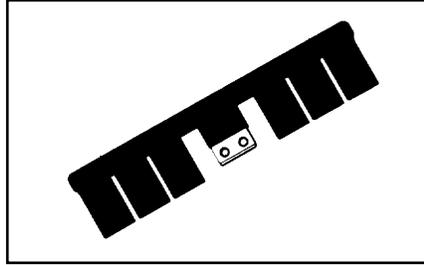
	Type RDMD-28G.....J-2		Type YS-CG Insulated Splice Kit.....J-5
	Type RDMD-2858D.....J-2		Type Y-LOK.....J-5
	Type RDMD-28 CR.....J-2		Type K-P-C.....J-6
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	Type RYA-UC, RYA-AC, RYA-UCR, RYA-ACR, Tap Kit.....J-3		Type F-A.....J-8
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			Type BPD-BPD2.....J-9



URD

STUD MOLE TYPE RDMD-28G

The RDMD-28G Stud MOLE is a submersible junction designed to accommodate a range of copper and aluminum conductors. The Stud MOLE is designed for use on transformers where a dead front secondary is required. It is insulated with molded EPT rubber. Mates with a 5/8"-11 copper stud. A jam nut is supplied with the MOLE to secure and lock it to the stud.



CATALOG NUMBER	NO. OF OUTLETS	INSULATED
RDMD4-28G3	4	Yes
RDMD6-28G3	6	Yes

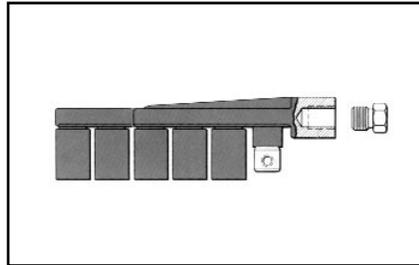
It is available with either four or six outlets. All outlets except one have factory installed removable sealing caps. Tap kits are ordered separately. REA listed.

Also available without insulation and sealing caps.

STUD MOLE

TYPE RDMD-2858D

The RDMD-2858D Stud MOLE is identical to the insulated RDMD-28G except an adapter is supplied, allowing MOLE to be removed from transformer stud without disconnecting the individual services.



CATALOG NUMBER	NO. OF OUTLETS	INSULATED
RDMD4-2858D	4	Yes
RDMD6-2858D	6	Yes

RUBBER INSULATING BOOT

TYPE RDMD-28CR

J-2

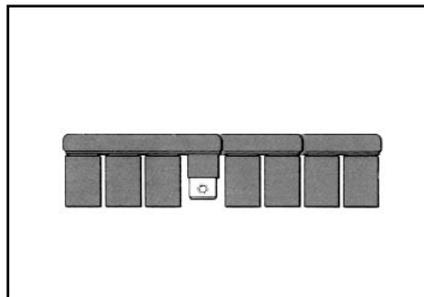
The EPDM rubber force fit boot is designed to provide a completely dead-front and moisture tight installation when used with either the Type RDMD-28G3 or Type RDMD-2858D Stud MOLEs. Bushing end will seal any diameter from .875 to 1.125 inch.



URD MOLE

TYPE RDM-28 FOR ALUMINUM OR COPPER

Type RDM-28 MOLE is an economical, insulated, submersible service junction suitable for direct burial or for use in enclosures. Disconnectable joints allow additions of new services without disturbing previous installations. Taping is eliminated, heat-shrink or force-fit rubber sleeves insulate each joint. Rubber is used to insulate the MOLE body. Removable sealing covers are supplied on all outlets but two. REA listed Tap Kits, including HYLUG, hardware and sleeve are ordered separately.



CATALOG NUMBER	NO. OF OUTLETS
RDM4-28	4
RDM6-28	6
RDM8-28	8

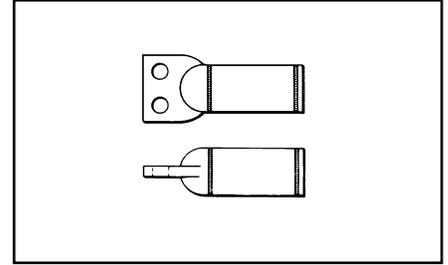
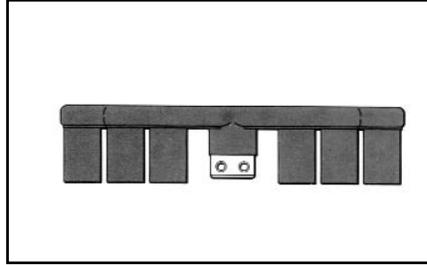


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MOLE TYPE RDM-28T

FOR ALUMINUM AND COPPER

The RDM-28T MOLE is available with five or seven outlets. The single hole outlets are the same size as the RDM-28 series and accommodate the same RYA-UC or RYA-UCR tap kits. The larger two-hole outlet accommodates the 500 or 350MCM copper cable secondary supplied with many sub-surface transformers. These cables are extended to a junction point where secondary mains or services are connected. Tin-plated copper RYA-C-2 tap kits are used to join the 500 or 350MCM copper secondaries to the RDM-28T MOLES.



CATALOG NUMBER	NO. OF OUTLETS	
	12 SOL.-350	350-500
RDM5-28T	4	1
RDM7-28T	6	1

COPPER CONDUCTOR	CATALOG NUMBER			TOOLS, DIESET, CATALOG NO. & NO. OF CRIMPS	
	HEAT SHRINK	FORCE FIT	DIE INDEX	Y34A	Y35* SERIES Y750, Y39
350	RYA31C-2	RYA31CR-2	20	A34R 4	U34RT 4
500	RYA34C-2	RYA34CR-2			

* Y35 U-Dies with adapter PT6515 can also be used in Y45 series Hypresses. Same number of crimps as Y35.

MOLE TAP KITS

FOR ALUMINUM OR COPPER FOR USE WITH TYPE RDM-28 URD MOLE

TYPE RYA-UC, RYA-AC

The kit consists of: Universal HYLUG, mounting hardware and heat-shrink sleeve. The HYLUG is pre-filled with PENETROX joint compound and sealed. Installed with common installation tools, three die sets install a range of 4 str.- 350MCM. The heat-shrink sleeve is lined with a mastic material, providing a positive seal. Installed with standard propane torch, or 500°F electric heat gun. Acetylene heat is too intense and is not recommended.



TYPE RYA-UC, RYA-AC



TYPE RYA-UCR, RYA-ACR

TYPE RYA-UCR, RYA-ACR

The kit consists of: Universal HYLUG, mounting hardware and pre-lubricated force-fit rubber sleeve. The HYLUG is pre-filled with PENETROX joint compound and sealed. Installed with common installation tools, three die sets install a range of 4 str.- 350MCM. The rubber sleeve has internal sealing rings that provide a positive moisture seal by exerting circumferential force on cable and MOLE insulation. Pre-lubricating sleeve makes installation easier. REA listed. **No trimming required.**

CONDUCTOR		CATALOG NUMBER			EEI DIE INDEX	DIE INDEX	TOOLS, DIESET CATALOG NO. & NUMBER OF CRIMPS		
COPPER	ALUMINUM	HEAT SHRINK		FORCE FIT			MD6 SERIES	Y39, Y35, Y750	OUR840
		COMPLETE SET	SHRINK SLEEVE ONLY	COMPLETE SET					
2 Sol. -4 Str.	2 Sol. -4 Str. 4 str. Comp.	RYA4UC	RYAC25	RYA4UCR	8A	BG OR 5/8 -1 OR 243	W-BG 1 BG3 OR W243	U-BG 1 UK58-IT 3 U243 1	XBG 3 XNBG 2
2 Str. -1/0 Sol.	2 Str. 1/0 SOL. 2-1 Str. Comp.	RYA2UC		RYA2UCR					
1/0 Str.	1/0 Str. -2/0 Sol. 1/0 Str. Comp.	RYA25UC		RYA25UCR					
	2 Sol. EC-O	RYA2WAC		RYA2WACR					
	1/0 Sol. EC-O	RYA75AC		RYA75ACR		BG 5 -	BG 5 -	UK58-IT 5	XBG 5 XNBG 3
2/0 Str.	2/0 Str. 2/0 Str. Comp.	RYA26UC	RYAC31	RYA26UCR	** 11A	249 or 840	W249 3 WK840 5	U249 2* UK840T 3	X249 6 X840 5
3/0 Str.	3/0 Str. 3/0 Str. Comp. 4/0 Sol. EC-O**	RYA27UC		RYA27UCR					
4/0 Str.	4/0 Str. 4/0 Str. -250 Comp.	RYA28UC		RYA28UCR					
250 MCM	250 250 Comp.	RYA29UC		RYA29UCR					
-	300-350 300-350 Comp.	RYA31AC		RYA31ACR	13A	299 or 655 or 705		U31ART 2 U655 3 U705 2	

* Overlap Crimps.

** Do not use EEI Die. (11A) to install 4/0 Sol. EC-O.

NOTE: Standard mounting hardware is 3/8" button head socket cap screw with captive conical washer. For HEX HEAD bolt with captive conical washer add "HEX" suffix.

NOTE: Example: RYA4UCR-HEX. For HEX HEAD bolt and captive flat washer add suffix "HEX1". For HEX HEAD bolt and non-captive flat washer add suffix "HEX2". For HEX HEAD bolt and non-captive conical washer add suffix "HEX3". For Stainless Steel HEX HEAD bolt add HEX355 suffix.

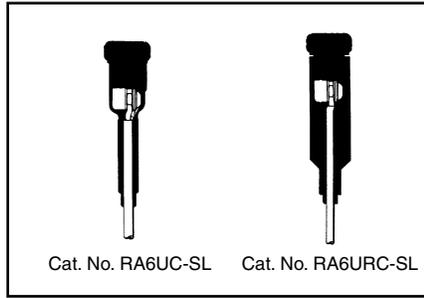


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URD STREET LIGHTING TAP KIT TYPES RA6UC-SL, RA6UCR-SL

FOR ALUMINUM OR COPPER

URD tap kit for making street lighting taps from URD MOLE types RDM-28 and RDM-28T. Each kit accommodates 6 str. - 12 sol. Kits include connector, mounting hardware and insulating sleeve.



CONDUCTOR	CATALOG NUMBER	
	HEAT SHRINK	FORCE FIT
6 Str. - 12 Sol.	RA6UC-SL	RA6UCR-SL

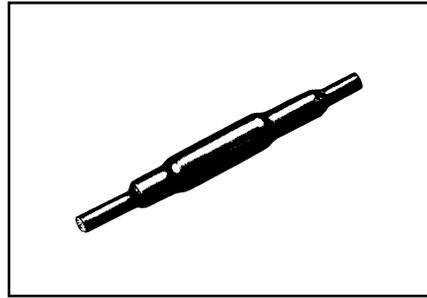


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URD INSULATED SPLICE KIT

TYPE YS-CG

FOR ALL ALUMINUM
OR COPPER/ALUMINUM
COMBINATIONS



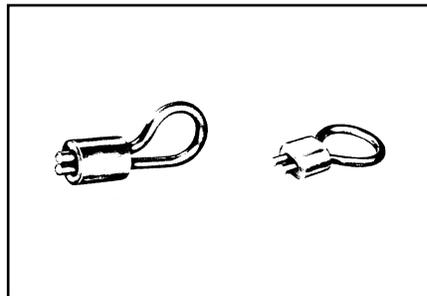
Type YS-CG URD insulated splice kit consists of a standard YSU or YSD LINKIT and a heat-shrink sleeve. Used to splice URD secondary lines up to 600 volts. It is installed with common installation tools. Heat-shrink sleeve is installed with standard propane torch, or 500°F electric heat gun. Acetylene is not recommended.

CONDUCTOR			CATALOG NUMBER		DIE INDEX	TOOLS, DIESET CATALOG NO. & NO. OF CRIMPS		
BOTH SIDES			COMPLETE SPLICE KIT	HEAT SHRINK SLEEVE		MD6 SERIES	Y34A	Y35 SERIES
ALUMINUM	ACSR	COPPER*						
1-2 Str.	2 (6-1, 7-1)	1-2 Str.	YS2UCGI	RYAC25	BG 243	BG 3	—	U-BG 1**
1/0 Str. 1/0 Comp.	1/0 (6-1)	1/0 Str.	YS25UCGI			W-BG 1**	A243 1	U243 1
2/0 Str. 2/0 Comp.	2/0 (6-1)	2/0 Str.	YS26UCGI	RYAC31-1	249/840	W249 4	A249 2	U249 2
3/0 Str. 3/0 Comp.	3/0 (6-1)	3/0 Str.	YS27UCGI			W-K840 7	—	U-K840T 4
4/0 Str. 4/0 Comp.	4/0 (6-1)	4/0 Str.	YS28UCGI					
350 350 Comp.	—	350	YS31ACGI	RYAC31	299/705	—	—	U299 2 U705 1

* Use to join copper to aluminum or ACSR, not copper to copper.
** Multiple crimp die set, makes more than one crimp per compression.

Y-LOK FOR LOCKING ENCLOSURES

Assembly consists of aluminum-clad steel wire loop and a compression type aluminum connector. Installed with BG groove of MD6 or OUR840 Compression Tools. Can also be installed with 5/8 or 5/8-1 grooves.



J1592 J1207

Compression Y-LOK installed with BG or 5/8 groove

CATALOG NUMBER	INSTALLATION TOOLING		L	C	D
	D1D6 OUR840	Y35, Y750 Y46			
J1207	WBG	UBG	2.28	.75	1.00
J1592	XBG		2.31	.75	.75

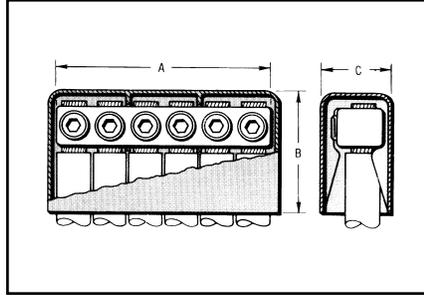


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URD SERVICE TAP FOR COPPER CONDUCTORS

TYPE K-P-C

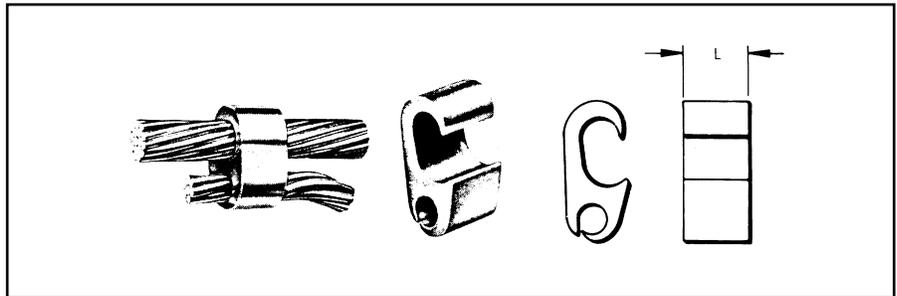
These compact, wide-range-taking, multiple outlet connectors are made of high conductivity copper alloy. Spherical point Allen set screws provide even clamping forces on conductors up to 4/0 Str. Each connector is supplied with an insulating cover. The mechanical clamping elements allow individual cables to be disconnected without disturbing adjacent connections.



CONDUCTOR	CATALOG NUMBER			NUMBER OF OUTLETS	A	B	C
	COMPLETE ASSEMBLY	CONNECTOR ONLY	COVER ONLY				
6Str.- 4/0 Str.	K6P28C	K6P28	K-PC28	6	5-1/8	2-3/4	1-5/8

COMPRESSION SERVICE TAPS AND TRANSFORMER TERMINALS

Where compression-type service taps are required, the wide-range-taking, figure "6" shaped, tap connectors are recommended. They can be gripped in a HYPRESS and slipped over the secondary main for easy installation. For above-grade installation, commercially available insulating tubes are often used to cover a series of these taps on each main cable stub. Separation of run and tap cables simplifies taping.



Conductor		Catalog Number	L	Die Index	Installation Tooling	
RUN	Tap				Y35, Y35L, Y45L* HYPRESS	Die Cat. No.
2/0 Str.-250	4Str.-2/0 Str.	YPC29C26	1.00	D3	U-D3	1

* Y35 HYPRESS U-Dies with adapter 6515 can also be used with Y45L. Same number of crimps as Y35.

Tin-Plated COPPER CRIMPIT For Copper Conductors, Type YPC-C

Made of tin-plated pure copper this connector is recommended for copper service taps in above-grade enclosures or for direct burial. The streamlined design facilitates taping. The plating eliminates reaction with insulators.



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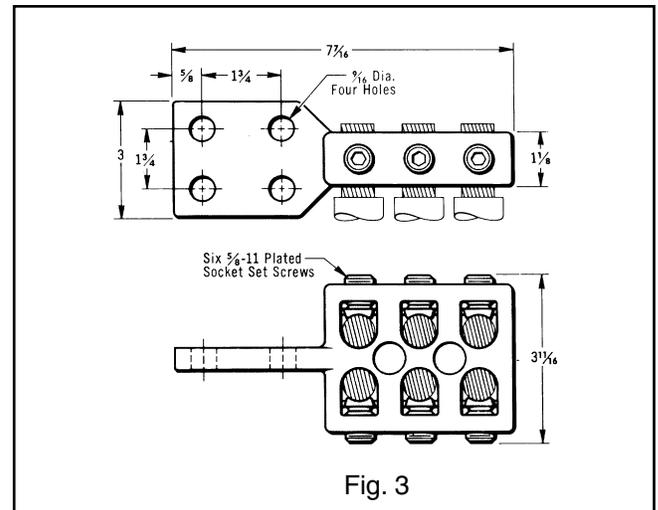
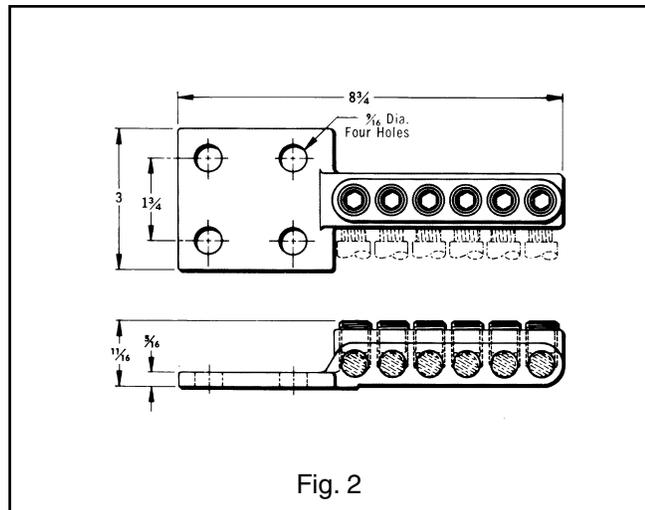
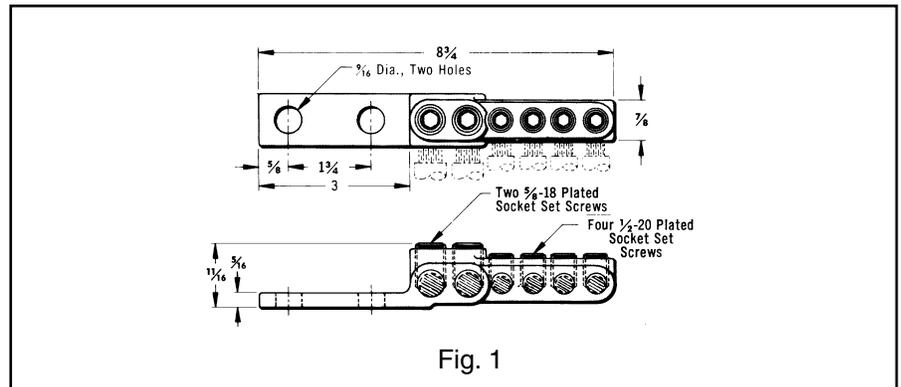
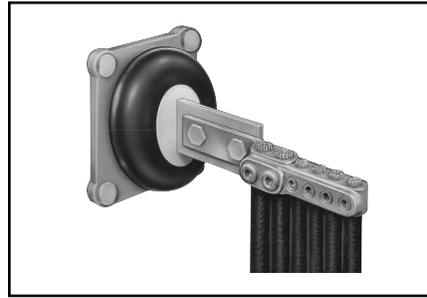
TRANSFORMER TERMINALS

TYPES K6B AND K33B FOR COPPER CONDUCTORS

These terminals are companion connectors of the various types of DOME-TAP, and possess the same advantages of wide conductor range and compactness. These features simplify cable terminations in the secondary compartments of pad-mounted transformers. The design also permits individual cables to be disconnected without disturbing adjacent joints.

Made of a high conductivity copper alloy, these compact range-taking connectors provide for connecting up to six copper cables at the transformer terminals. The outlets are equipped with spherical point, tin-plated brass socket set-screws to provide even clamping forces on the conductors throughout the cable range.

Where cable sizes exceed 4/0 str., a pressure bar is added to assure optimum performance.



CONDUCTOR	CATALOG NO	FIG. NO.	NEMA Tongue
Two Outlets: 2 Str.-500 Four Outlets: 6 Str.-4/0 Str.	K6B2826-2N	1	2-Hole
Six Outlets: 6 Str.-4/0 Str.	K6B28-4N	2	4-Hole
Six Outlets: 4/0 Str.-500	K33B34-4N	3	4-Hole

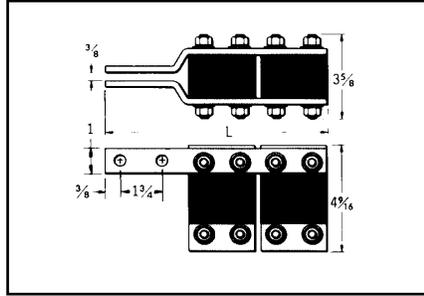


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FUSED TRANSFORMER TERMINALS

TYPE F-A

These Transformer Tap assemblies bolt directly to the secondary terminal pad. They provide for up to eight cables to be fused directly at the secondary terminals. This may be all service taps or combinations of secondary mains and service taps.



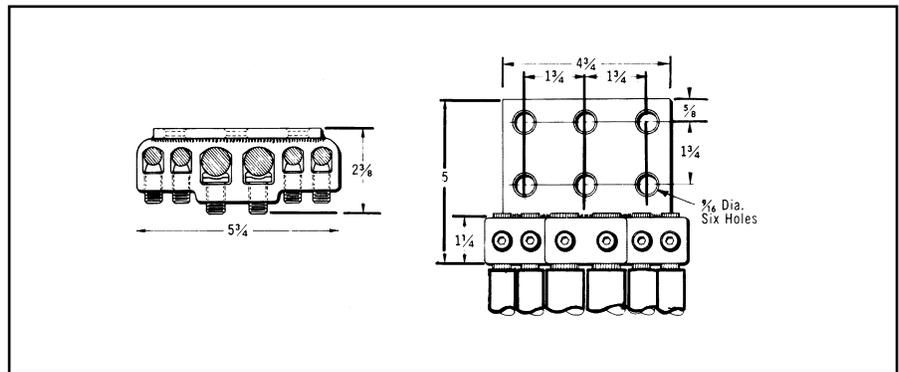
CATALOG NUMBER	NUMBER OF FUSES	L INCHES
F22A28	4	6 1/2

Type LF LIMITER and HYLUG (copper or aluminum) Compression terminals must be ordered separately.

TRANSFORMER TERMINALS

CATALOG NO. K6A34U-6N FOR ALUMINUM AND COPPER CONDUCTORS

Made of aluminum alloy, the massive design minimizes conductor corrosion due to galvanic action. Each outlet is pre-filled with PENETROX joint compound and sealed. Plated aluminum socket head pressure screws and aluminum pressure bars prevent conductor damage. Six hole pad allows for adjustable positioning on four hole NEMA spades.



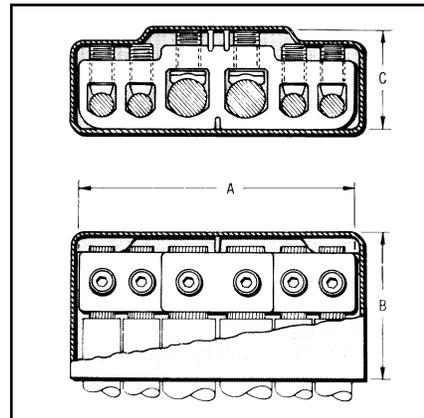
CONDUCTOR	CATALOG NUMBER	NUMBER OF OUTLETS
Two Outlets 2 Str.-500 Four Outlets 6 Str.-4/0 Str.	K6A34U-6N	6

J-8

UNIVERSAL URD SERVICE TAP

FOR ALUMINUM OR COPPER TYPE K-P-UC

Made of aluminum alloy, the massive design minimizes conductor corrosion due to galvanic action. Each outlet is pre-filled with PENETROX joint compound and sealed. Plated aluminum socket head pressure screws and aluminum pressure bars prevent conductor damage. Each connector is supplied with an insulating cover.



CONDUCTOR	CATALOG NUMBER			NUMBER OF OUTLETS	A	B	C
	COMPLETE ASSEMBLY	CONNECTOR ONLY	COVER ONLY				
Two Outlets 2 Str.-500 Four Outlets 6 Str.-4/0 Str.	K6P34UC	K6P34U	K6PC34U	6	5-3/4	3-1/8	2-1/8

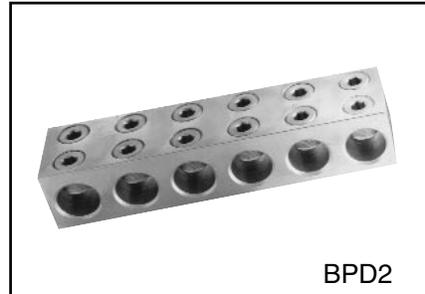
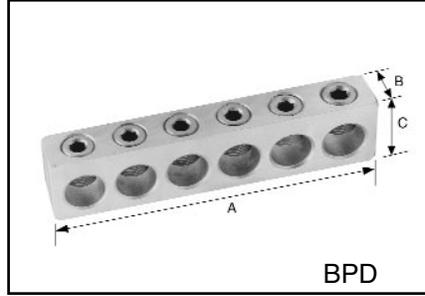


TYPE BPD - BPD2

POWER DISTRIBUTION BLOCKS

Dual rated ground pedestal lugs. Rated for 600 volt. Constructed from high strength aluminum alloy 6061-T6. Connectors are all plated to provide low contact resistance.

Plastisol covers dielectric strength rating of 120 volts per mil. Nominal thickness is 156 mils.



CATALOG NUMBER	WIRE RANGE AL OR CU.	NO. OF CONDUCTORS	DIMENSIONS			INSULATING COVER
			A	B	C	
BPD-4-250	#6-250	4	3.63	1.13	0.94	BIC-4-250
BPD-6-250	#6-250	6	5.31	1.13	0.94	BIC-6-250
BPD-8-250	#6-250	8	6.75	1.13	0.94	BIC-8-250
BPD-4-350	#6-350	4	3.88	1.38	1.00	BIC-4-350
BPD-6-350	#6-350	6	5.69	1.38	1.00	BIC-6-350
BPD-8-350	#6-350	8	7.50	1.38	1.00	BIC-8-350
BPD-4-500	#2-500	4	4.75	1.63	1.00	BIC-4-500
BPD-6-500	#2-500	6	7.00	1.63	1.00	BIC-6-500
BPD-8-500	#2-500	8	9.25	1.63	1.00	BIC-8-500
BPD2-4-750	#2-750	4	6.56	2.00	2.50	BIC2-4-750
BPD2-6-750	#2-750	6	9.88	2.00	2.50	BIC2-6-750
BPD2-8-750	#2-750	8	13.81	2.00	2.50	BIC2-8-750