

SD54222

RANGE OF CONDUCTORS ACCOMMODATED

CAT. NO.	ALUMINUM CABLE, STEEL REINFORCED (A.C.S.R.)		GALVANIZED STEEL STRANDED	
	RUN "A"	TAP "AA"	RUN "A"	TAP "AA"
KVSU26	#3 (.281) - 2/0 (.447)	#6 (.198) - 2/0 (.447)	5/16 - (.312) - 7/16 (.435)	3/16 (.187) - 7/16 (.435)
KVSU28	1/0 (.398) - 4/0 (.563)	#6 (.198) - 4/0 (.563)	3/8 (.360) - 1/2 (.500)	5/32 (.156) - 1/2 (.500)
KVSU31	4/0 A.C.S.R. (.563) - 300 MCM (.680)	#6 (.198) - 300 MCM (.680)	9/16 (.565) - 5/8 (.621)	3/16 (.186) - 5/8 (.621)
KVSU34	336.4 MCM (.741) - 397.5 (.783)	#5 (.223) - 397.5 (.783)	3/4 (.750) - 3/4 (.750)	7/32 (.216) - 3/4 (.750)
KVSU40	336.4 MCM (.741) - 715.5 (1.036)	3/0 (.502) - 715.5 (1.036)	3/4 (.750) - 1 (1.001)	1/2 (.495) - 1 (1.001)
KVSU44	397.5 MCM (.806) - 900 MCM (1.162)	4/0 (.563) - 900 MCM (1.162)	7/8 (.885) - 1 1/8 (1.127)	1/2 (.495) - 1 1/8 (1.127)

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CAT. NO.	COPPER & COPPERWELD SOLID		COPPER & ALUMINUM STRANDED	
	RUN "A"	TAP "AA"	RUN "A"	TAP "AA"
KVSU26	#1 (.289) - 3/0 (.410)	#6 (.162) - 3/0 (.410)	#2 (.292) - 2/0 (.419)	#6 (.184) - 2/0 (.419)
KVSU28	2/0 (.365) - 4/0 (.460)	#6 (.162) - 4/0 (.460)	1/0 (.373) - 4/0 (.528)	#6 (.184) - 4/0 (.528)
KVSU31		#6 (.162) - 4/0 (.460)	250 MCM (.575) - 350 MCM (.681)	#6 (.184) - 350 MCM (.681)
KVSU34		#4 (.204) - 4/0 (.460)	400 MCM (.728) - 500 MCM (.813)	#4 (.232) - 500 MCM (.813)
KVSU			400 MCM (.728) - 800 MCM (1.031)	4/0 (.528) - 800 MCM (1.031)
KVSU44			500 MCM (.813) - 1000 MCM (1.152)	4/0 (.528) - 1000 MCM (1.152)

CONDUCTOR RANGE

CONDUCTOR RANGE			CAT. NO.	L	H (APPROX.)	J	W	
MINIMUM RUN 'A'	MINIMUM TAP 'AA'	MAXIMUM RUN & TAP						
.281	.184 STR.	.162 SOL.	.447	KVSU26	1.06	2.00	5/16 - 18	1.56
.360	.156 STR.	.162 SOL.	.564	KVSU28	1.04	2.50	3/8 - 16	1.67
.563	.184 STR.	.162 SOL.	.681	KVSU31	1.38	2.62	1/2 - 13	2.12
.728	.216 STR.	.204 SOL.	.814	KVSU34	1.34	3.06	1/2 - 13	2.20
.728	.495 STR.	-----	1.036	KVSU40	1.62	3.50	1/2 - 13	2.50
.806	.495 STR.	-----	1.162	KVSU44	2.00	4.03	5/8 - 11	3.03

REV.	DATE	REVISION DESCRIPTION	BY	C'D.
1	11-14-63	DWG WAS XD54222 (EC 17718)	ROY AG	EPD
2	2-5-65	REV. REF. PRINT (EC31073)	T.E.D.	MJM
3	10-14-81	LEFT VIEW WAS UPDATED PER PCS3815-5 ECP2937	H.C.	AJM
4	2-4-82	SEE REV. REF. PRINT (DC10740)	CAR	AJM
5	8-10-83	UL SYMBOL REMOVED (ECP3517)	CAR	H.C.
6	8-21-85	CSA REMOVED (ECP3854)	CAR	AJM
7	9-1-88	SEE REV. REF. PRINT (ECP4632)	W.S.	H.C.
8	3-20-89	ADDED NOTE 1, TH'D SIZE 'J' TWO WAS 'J' DIA. TWO SILICON BRONZE (D.C.20278)	JEL	KH

PENETROX INSTALLATION NOTE:

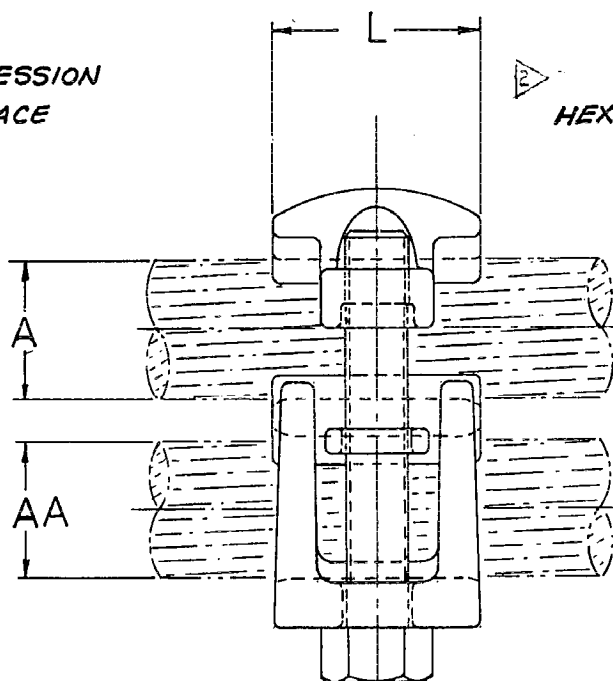
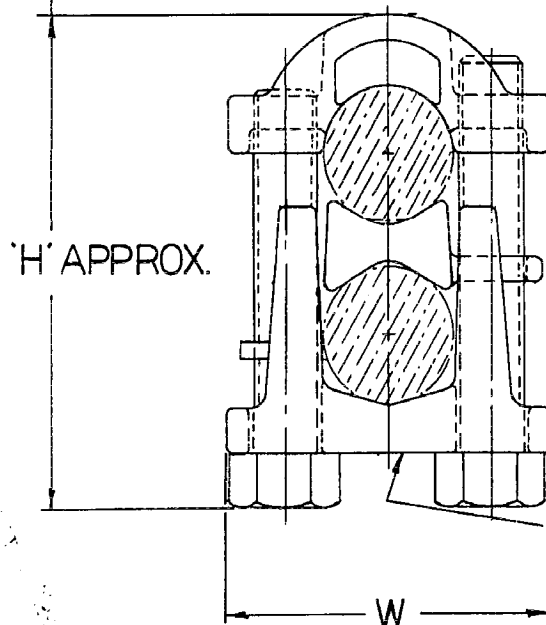
SCRATCH BRUSH ALUMINUM CONDUCTOR DRY, THEN APPLY 'PENETROX A' TO CONDUCTOR AND CONNECTOR CONTACT SURFACES. DO NOT SCRATCH BRUSH PLATED CONNECTOR. PENETROX 'A' CAN BE PURCHASED FROM THE BURNDY CORP. IN CANS OR PLASTIC SQUEEZE BOTTLES.

NOTE:

1 IN ADDITION TO TYPES OF CONDUCTORS SHOWN ABOVE, THESE CONNECTORS CAN ACCOMMODATE ANY COMBINATION OF CONDUCTORS WITHIN THE DIAMETER RANGE INDICATED.

2 STANDARD BOLT MATERIAL IS DURIUM (SILICON BRONZE). OPTIONAL, SAME SIZE, 18-8 STAINLESS STEEL AND GALVANIZED STEEL BOLTS ARE ALSO AVAILABLE. SPECIFY -SS OR -GS, RESPECTIVELY, ON END OF CATALOG NUMBER FOR OPTIONAL BOLTS.

APPROX. HEIGHT BEFORE COMPRESSION
WITH MAXIMUM CABLES IN PLACE



TYPICAL LETTERING
ON THIS SURFACE:

KVSU40



CU-AL
T4/0-800
ACSR 715.5

PEENED

HEX. HD. BOLTS

BOLT RETAINER

TYPICAL LETTERING ON THIS SURFACE:

CU-AL
R 400-800
ACSR 715.5 MAX

MATERIAL:
CAST COPPER ALLOY
FINISH:
TIN PLATED
ACCOMMODATES:
(SEE TABLE)
REFERENCE:
FACTORY DWG. FD 53819

SUPERSEDES SD19017-16

VIEW SHOWING SWIVEL POSITION

SERVICE CONNECTOR	
CAT. NO. KVSU- (GEN'L.)	SCALE
DRAWN JAA 6-7-63	CHECKED EPD 6-19-63
DES. APPROV. M.S. 12-9-63	
PROD. APPROV.	
DRAWING NO. SD54222	
REV. 8	