VeriSafe Connection Kit: VS-CKBB* Series

VeriSafe Sensor Lead Tapping on Cu-Only Conductors

(Split Bolt Connectors, Insulating Covers and Ferrules)

INSTALLATION INSTRUCTIONS **T-PMPI-314-PC** (revision 00)

IMPORTANT: READ THIS ENTIRE INSTRUCTION SHEET FOR NECESSARY PREPARATIONS BEFORE CUTTING WIRE INSULATION, INSTALLATION OF FERRULES AND INSTALLATION OF SPLIT BOLTS AND INSULATING COVERS. REVIEW COMPATIBILITY OF SPLIT BOLTS FOR THE RUN WIRE SIZES AND FOR INSTALLATION ON COPPER-ONLY CONDUCTORS.

STEP 1: VERIFY CONNECTION KIT CONTENTS AND SUITABILITY FOR APPLICATION. NOT SUITABLE FOR FLEX WIRE RUNS.

TABLE OF CONTENTS

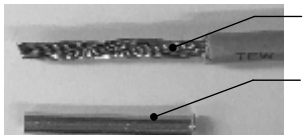
PANDUIT CONNECTION KIT (PART NUMBER)	COPPER CONDUCTOR SIZE			ITEMS IN KIT	QUANTITY OF ITEMS IN KIT	MFG. (ITEM)	MFG. PART NUMBER	SPLIT BOLT REQUIRED INSTALLATION TORQUE (IN-LBS)
	RUN (AWG) "CODE WIRE" Class B or C Stranded		TAP (AWG) VERISAFE SENSOR LEAD					
	MIN.	MAX.						
VS-CKBB8-4	8 STR	4 STR	14 STR	SPLIT BOLTS	6	BURNDY	KS20	165
				INSULATING COVERS	6	BURNDY	SC4	
				FERRULES	12	PANDUIT	F80-20-M	
VS-CKBB6-2	6 STR	2 STR	14 STR	SPLIT BOLTS	6	BURNDY	KS23	275
				INSULATING COVERS	6	BURNDY	SC2	
				FERRULES	12	PANDUIT	F80-20-M	
VS-CKBB2-00	2 STR	2/0 STR	14 STR	SPLIT BOLTS	6	BURNDY	KS26	385
				INSULATING COVERS	6	BURNDY	SC2/0	
				FERRULES	12	PANDUIT	F80-20-M	

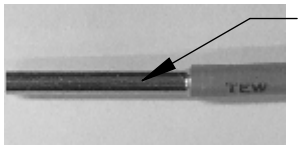
STEP 2: IDENTIFY VERISAFE ISOLATION MODULE SENSOR LEADS FOR FERRULE TERMINATION

- REVIEW VERISAFE AVT INSTRUCTION MANUAL (B21052) TO BECOME FAMILIAR WITH VERISAFE ISOLATION MODULE FEATURES
- VERISAFE ISOLATION MODULE SENSOR LEADS MUST BE TERMINATED WITH FERRULES PRIOR TO INSTALLING SENSOR LEADS INTO SPLIT BOLT CONNECTORS, IN ORDER TO ENSURE COMPLIANCE WITH UL LISTING AND LOCAL / NATIONAL ELECTRICAL CODES.

STEP 3: PREPARE VERISAFE ISOLATION MODULE SENSOR LEADS FOR FERRULE TERMINATION

- REVIEW VERISAFE AVT INSTRUCTION MANUAL (B21052) TO BECOME FAMILIAR WITH VERISAFE ISOLATION MODULE FEATURES
- REVIEW WWW.PANDUIT.COM AND SEARCH FOR "F80-20-M" FOR RELEVANT INSTALLATION REQUIREMENTS AND TOOL REQUIREMENTS
- APPROPRIATELY STRIP INSULATION ON VERISAFE SENSOR LEADS. PLACE FERRULE ONTO STRIPPED SENSOR LEAD
- INSTALL AND TERMINATE FERRULES ONTO VERISAFE SENSOR LEADS PER RELEVANT INSTALLATION REQUIREMENTS AND TOOL(S)





STEP 4: PREPARE "RUN" CONDUCTOR (STRIP INSULATION) AND INSTALL PER RELEVANT SPLIT BOLT INSTALLATION GUIDELINES

- REVIEW WWW.BURNDY.COM AND SEARCH FOR "K20", "K23" OR "K26" FOR RELEVANT SPLIT BOLT INSTALLATION REQUIREMENTS
- REVIEW WWW.BURNDY.COM AND SEARCH FOR "SC4", "SC2" OR "SC2/0" FOR RELEVANT INSULATING COVER INSTALLATION NOTES
- VERIFY THAT ADEQUATE SPACE EXISTS FOR INSTALLATION OF SPLIT BOLTS AND COVERS PER ELECTRICAL CODE REQUIREMENTS
- STRIP "RUN" WIRE INSULATION AS SPECIFIED BY RELEVANT DOCUMENTS ON WWW.BURNDY.COM, **OR**, USE MAXIMUM STRIP LENGTH GUIDELINES MARKED ON INSULATING COVER PROVIDED WITH CONNECTION KIT, **OR**, MINIMALLY STRIP INSULATION TO ENSURE FULL ENGAGEMENT OF SPLIT BOLT WITH STRIPPED (BARE) CONDUCTOR AS SHOWN IN DIAGRAM 1 (BELOW).
- INSERT FERRULE-TERMINATED SENSOR LEAD INTO SPLIT BOLT (SEE DIAGRAM 2 BELOW). TIGHTEN SPLIT BOLT WITH TORQUE-WRENCH PER INSTALLATION INSTRUCTIONS ON WWW.BURNDY.COM, **OR**, PER VALUES SHOWN IN **TABLE OF CONTENTS** (SEE ABOVE TABLE)

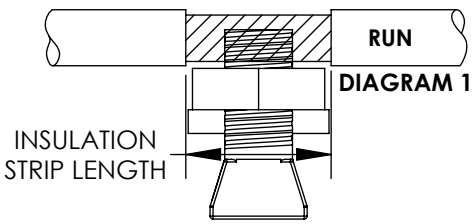


DIAGRAM 1

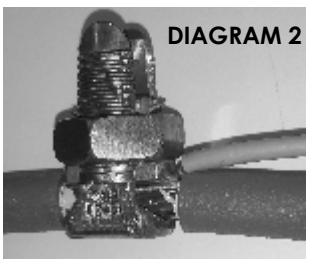
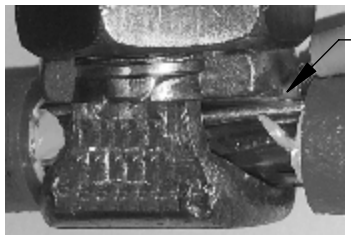


DIAGRAM 2



STEP 5: PLACE INSULATING COVER OVER TAPPED CONNECTION AND SECURELY CLOSE COVER (ENGAGE LATCHES)

For Technical Support: www.panduit.com/resources/install_maintain.asp