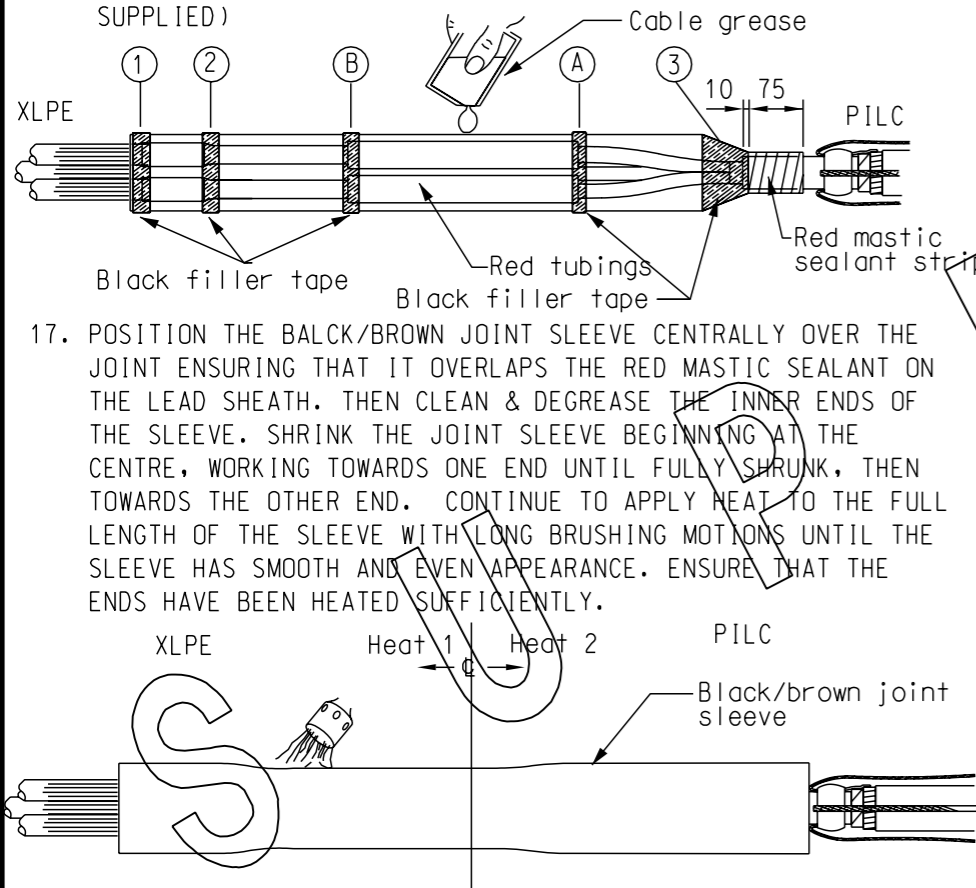


16. REMOVE RELEASE PAPER FROM THE BLACK FILLER TAPE AND APPLY ONE TURN (STRETCHING TO HALF ITS WIDTH) AROUND THE JOINT AT EACH END OF THE RED TUBING - REFER DIAGRAM POSITIONS 'A' AND 'B'.

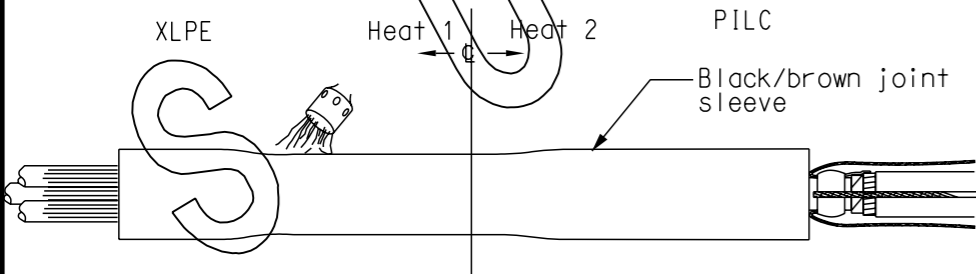
APPLY ONE TURN OF BLACK FILLER TAPE AT THE ENDS OF THE SHORT FILLER PROFILES - POSITION 1; AND AROUND THE BUTT JOINT BETWEEN THE BLACK FILLER PROFILES - POSITION 2. AT POSITION 3 APPLY HALF LAPPED LAYERS OF BLACK FILLER TAPE STARTING 10mm ONTO THE LEAD SHEATH BUILDING UP A SMOOTH TRANSITION TO THE BLACK FILLER PROFILES.

CLEAN AND DEGREASE THE LEAD SHEATH. REMOVE RELEASE PAPER FROM THE RED MASTIC SEALANT STRIP AND APPLY ONE LAYER WITH A SMALL OVERLAP OVER 75mm OF THE LEAD SHEATH STARTING AT THE BLACK FILLER TAPE.

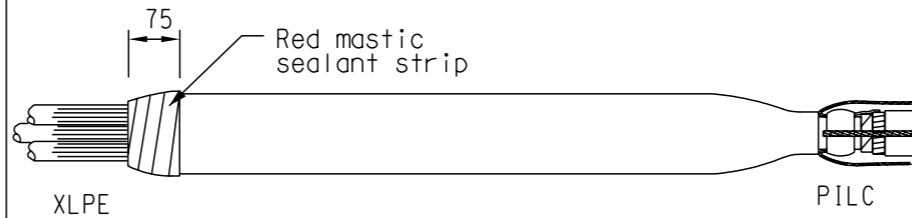
LUBRICATE THE JOINT SURFACE (ESPECIALLY AT THE LARGE DIAMETER) WITH A THIN FILM OF THE CABLE GREASE SUPPLIED. AVOID OVER APPLICATION (DO NOT USE ALL OF THE GREASE SUPPLIED)



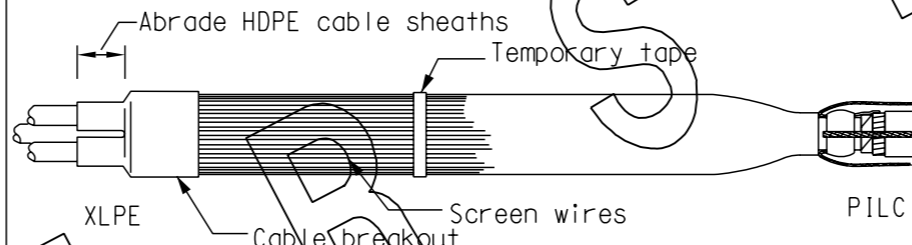
17. POSITION THE BLACK/BROWN JOINT SLEEVE CENTRALLY OVER THE JOINT ENSURING THAT IT OVERLAPS THE RED MASTIC SEALANT ON THE LEAD SHEATH. THEN CLEAN & DEGREASE THE INNER ENDS OF THE SLEEVE. SHRINK THE JOINT SLEEVE BEGINNING AT THE CENTRE, WORKING TOWARDS ONE END UNTIL FULLY SHRUNK, THEN TOWARDS THE OTHER END. CONTINUE TO APPLY HEAT TO THE FULL LENGTH OF THE SLEEVE WITH LONG BRUSHING MOTIONS UNTIL THE SLEEVE HAS SMOOTH AND EVEN APPEARANCE. ENSURE THAT THE ENDS HAVE BEEN HEATED SUFFICIENTLY.



18. STARTING AT THE XLPE CABLES APPLY ONE LAYER OF RED MASTIC SEALANT STRIP, WITH A SMALL OVERLAP, OVER 75mm OF THE BLACK/BROWN SLEEVE.

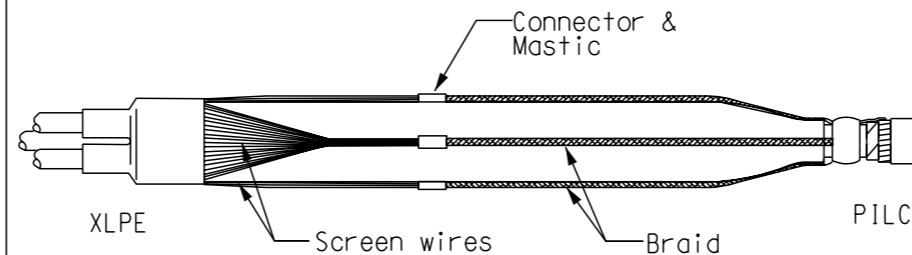


19. FOLD THE SCREEN WIRES (XLPE END) NEATLY BACK ACROSS THE JOINT, SPREADING THEM EVENLY AND LAYING THEM AS FLAT AS POSSIBLE. APPLY A TEMPORARY BINDER TAPE. CLEAN, DEGREASE AND ABRASE THE HDPE SHEATHS (NOT THE NYLON) OF THE XLPE CABLES. PULL THE CABLE BREAKOUT OVER THE END OF THE BLACK/BROWN SLEEVE AS FAR AS POSSIBLE. SHRINK DOWN STARTING AT THE XLPE CABLES AND WORKING TOWARDS THE JOINT.

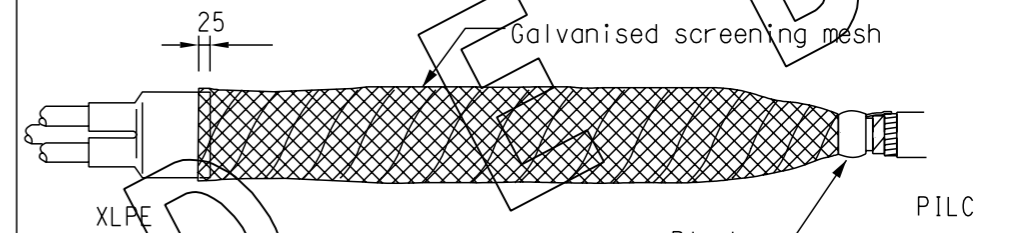


20. FORM THE SCREEN WIRES INTO 3 EQUAL SINGLE CONDUCTORS. LAY THE 3 BRAIDS FROM THE PAPER CABLE ACROSS THE JOINT AND CONNECT TO THE SCREEN WIRES USING A CRIMP CONNECTOR. ENSURE THAT THERE ARE NO SHARP POINTS ETC. APPLY ONE LAYER OF MASTIC AROUND CONNECTORS.

TAKE CARE NOT TO DAMAGE THE BLACK/BROWN SLEEVE



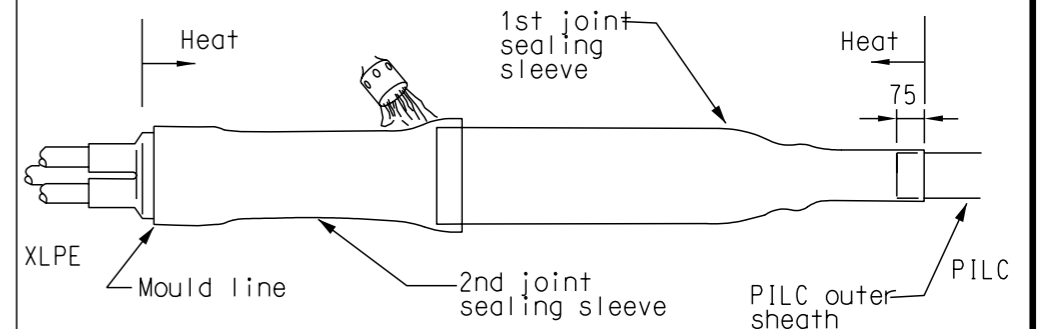
21. WRAP HALF LAPPED LAYERS OF GALVANISED SCREENING MESH TIGHTLY AROUND THE JOINT STARTING AT THE PLUMB ON THE LEAD SHEATH AND CONTINUING ACROSS THE JOINT TO OVERLAP THE XLPE CABLE BREAKOUT BY 25mm. USE ALL THE MESH SUPPLIED AND SECURE THE END WITH TAPE.



22. CLEAN AND DEGREASE THE PLUMB; CLEAN, DEGREASE AND ABRASE THE PILC OUTER SHEATH.

POSITION THE FIRST OUTER JOINT SEALING SLEEVE AT THE PILC END, OVERLAPPING THE PILC OUTER SHEATH BY 75mm. SHRINK DOWN STARTING AT THE CABLE SHEATH AND WORKING INTO THE JOINT.

POSITION THE SECOND OUTER JOINT SEALING SLEEVE AT THE XLPE CABLE END WITH THE SLEEVE END AT THE MOULD LINE ON THE CABLE BREAKOUT. SHRINK DOWN STARTING AT THE CABLE BREAKOUT AND WORKING INTO THE JOINT.



23. ALLOW JOINT TO COOL BEFORE APPLYING ANY MECHANICAL STRAIN.

24. APPLY TERMIMESH AS SHOWN IN DRAWING S02-02-02-33

NO	DESCRIPTION	DRN	DATE	CKD	APPD
1	SUPERSEDED	A.T.	DEC'12	B.C.	B.C.
AMENDMENTS					



DES	JEH/ICV 09/96	POWER STANDARD DRAWING		
DRN	R. INNES	CABLE JOINTING & TERMINATION		
CKD	-	RAYCHEM JOINTING INSTRUCTIONS		
APPD	F. ROBSON	11kV 3C 400sq.mm SCREENED PILC		
SCALE	NO SCALE	TO 11kV 3x1C 400sq.mm XLPE		
ISSUED	MAY'98	A3	DRAWING NUMBER	S02-02-02-32 SHEET 3 of 3
ALL DIM.	IN mm			
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY		

