



NB: A HOT AIR GUN MAY BE USED IF AVAILABLE. THIS ELIMINATES ANY RISK OF OVER-HEATING THE SPLICES, CORE INSULATION OR SLEEVE.

ITEM	QUANTITIES IN KIT FOR	
	19 CORE CABLE TO AS2276.1	29 CORE CABLE TO AS 2276.1
PRE-INSULATED WATERPROOF IN-LINE SPLICE TO SUIT 2.5mm ² CORES (BLUE)	4	4
PRE-INSULATED WATERPROOF IN-LINE SPLICE TO SUIT 1.5mm ² CORES (RED)	20	30
FIBREGLASS TAPE (2m LONG x 20mm WIDE)	1	1
SOLVENT WIPE	1	1
SLEEVE, MEDIUM WALLED, HEAT SHRINK, HOT MELT GLUE LINED 40/12-330 (330mm LONG) 56/17-330 (330mm LONG)	1	-
ABRASIVE STRIP (300mm LONG x 25mm WIDE)	1	1
TRACEABILITY TAG AND CABLE TIE	1	1
INSTRUCTION SHEET	1	1
PRE-INSULATED WATERPROOF IN-LINE SPLICE TO SUIT 4mm ² CORES (YELLOW)	-	4

NOTES

1. MANUFACTURERS IDENTIFICATION AND DATE OF MANUFACTURE SHALL BE MARKED ON A NON-CORROSIVE TAG CLEARLY, INDELIBLY AND WATER RESISTANT. THE TAG AND CABLE TIE TO BE SUPPLIED WITH EACH KIT.
2. EACH KIT TO BE INDIVIDUALLY PACKED INTO A STRONG SEALED CLEAR PLASTIC BAG WITH A LABEL SECURELY ATTACHED INDICATING THE KIT TYPE, RTA ORDER No AND THE RELEVANT RTA SUPPLY CAT No.

PROCEDURE

1. SLIDE THE LARGE SLEEVE ONTO THE CABLE.
2. CUT BACK SHEATH AND STAGGER CORES AS SHOWN.
3. STRIP BACK ALL CORES TO SUIT THE IN-LINE SPLICE (AS PER MANUFACTURERS REQUIREMENTS).
4. JOIN THE CORES UTILISING THE IN-LINE SPLICE CONNECTORS SUPPLIED, CONNECTING ONE LAYER AT A TIME USING THE CRIMP TOOL RECOMMENDED BY THE IN-LINE SPLICE MANUFACTURER. CRIMP TOGETHER THE:
 - BLACK (NEUTRAL), GREY (ELV RETURN) & GREEN/YELLOW (EARTH) EQUIVALENT CORES USING THE BLUE SPLICE FOR THE 2.5mm² CORES AND THE YELLOW SPLICE FOR THE 4mm² CORES.
 - REMAINING EQUIVALENT CORES USING THE RED SPLICE.
5. CHECK ALL OF FINISHED CABLE SPLICE CONNECTIONS BY PULLING THE CABLE EITHER SIDE OF THE SPLICE. IF CORES PULL APART OR ARE LOOSE, CHECK TO SEE IF CRIMPING TOOL IS WORN. RECRIMP ALL WITH NEW CRIMPING TOOL.
6. SHRINK DOWN ALL SPLICES & ENSURE THERE IS A BEAD OF ADHESIVE VISIBLE AT EACH END. CAUTION MUST BE TAKEN NOT TO DAMAGE THE CONNECTOR CORE INSULATION.
7. WHEN ALL THE CORES HAVE BEEN CRIMPED AND SHRUNK, WRAP THE FIBREGLASS TAPE AROUND THE CABLE CORES. THIS WILL PROTECT THE CORE INSULATION FROM THE HEAT REQUIRED TO SHRINK THE LARGE SLEEVE.
8. ROUGHEN THE ENDS OF THE CABLE SHEATH WITH THE ABRASIVE STRIP PROVIDED. CLEAN THE ROUGHENED AREA OF THE CABLE SHEATH WITH THE 'SOLVENT WIPE' IN THE SACHET PROVIDED.
9. CENTRE THE SLEEVE OVER THE JOINT, HEAT THE SLEEVE WITH A SOFT FLAME FROM A PROPANE OR BUTANE GAS TORCH. START FROM THE CENTRE AND WORK TO THE OUTER EDGES, ONE SIDE AT A TIME, HEATING AROUND THE SLEEVE FOR EQUAL WALL THICKNESS. USING A BRUSHING TYPE MOTION AND AVOIDING AIR POCKETS, HEAT THE SLEEVE UNTIL A BEAD OF ADHESIVE IS VISIBLE AT BOTH ENDS.
10. THE TRACEABILITY TAG TO BE ATTACHED TO THE CABLE ON COMPLETION.

'F' ISSUE 1-09-94 J/1 TC2576 PLAN REDRAWN. IN TABLE TUBE WAS 6/2 & ADD 'APPROVED EQUIV'. EB RVC	'G' ISSUE 29-05-01 J/1 TC2030 NOTE 5 ADDED & NOTE NOS ADJUSTED. NOTE 3 ALTERED. DIMS 55 & 120 WERE 50 & 115. SMALL TUBING HEAT SHRINK DELETED. LARGE SLEEVE SIZES REVISED. WATERPROOF IN-LINE SPLICE BLUE & RED WERE UTILIX CRIMPS H3911 & H3910 RESP. BWT	'H' ISSUE 25-05-12 YELLOW IN-LINE SPLICE ADDED TO TABLE FOR 29C CABLE. DB	KIT TYPE	RTA CAT No	REFERENCE DRAWINGS	ROADS AND TRAFFIC AUTHORITY OF NSW TRAFFIC SIGNALS	SCALE		APPROVED: 29-09-86
			19 CORE CABLE	18231026			SUPERSEDES: ISSUE E	F.R. HULSCHER	
			29 CORE CABLE	18231034			DRAWN AS 3-12-85	MANAGER STANDARDS & QUALITY	
							CHECKED RB 18-12-85	ISSUE	
							PASSED BWT 12-03-86		VM417-3