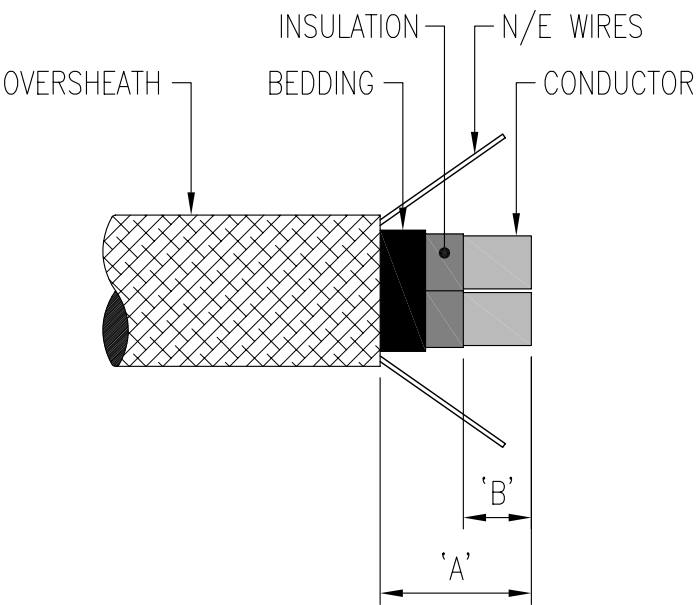


DISTRIBUTION NETWORK OPERATOR/ COLD SHRINK CABLE ABANDONMENT KIT – DNO/CSAK

3M UNITED KINGDOM PLC © 2006 3M CENTRE, CAIN ROAD, BRACKNELL BERKS. RG12 8HT, ENGLAND				
	1	FOR RELEASE.	ERH	22.09.06
	ISSUE	DESCRIPTION / ECO	BY	DATE
ALL STATEMENTS, TECHNICAL INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED ON TESTS WE BELIEVE TO BE RELIABLE. HOWEVER, SINCE THE CONDITIONS OF USE AND THE APPLICATION ARE BEYOND OUR CONTROL THE PURCHASER IS RESPONSIBLE FOR THE PERFORMANCE OF THE SPLICES AND TERMINATIONS MADE IN CONNECTION WITH THE USE OF DATA OR SUGGESTIONS STATED HEREIN.	DISTRIBUTION NETWORK OPERATOR/ COLD SHRINK CABLE ABANDONMENT KIT – DNO/CSAK INSTALLATION INSTRUCTIONS			
Mod. Eng:	Des. Eng: A.RUSSELL			
Drawn : E.REES–HAYWARD	Checked :			
Cad File: XE–0091–3138–6	Released :			
3M ELECTRICAL PRODUCTS	XE 0091 3138 6		SHEET 1 OF 5	A4

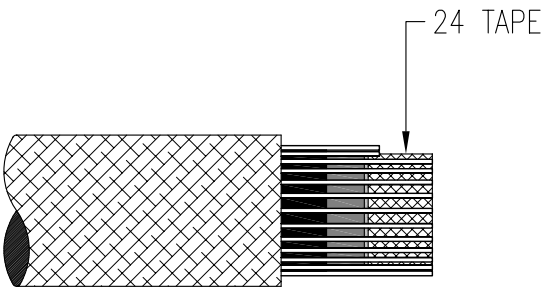
KIT REF.	CABLE TYPE	CABLE O/D RANGE	'A'	'B'
DNO/CSCAK 1	1 PHASE PLASTIC SERVICE	11.6 – 20.9mm	35mm	20mm
DNO/CSCAK 2	3 PHASE PLASTIC SERVICE, 95mm ² WAVEFORM	26.0 – 49.2mm	50mm	25mm
DNO/CSCAK 3	185, 240, 300mm ² WAVEFORM	45.5 – 84.3mm	50mm	25mm

FIG.1



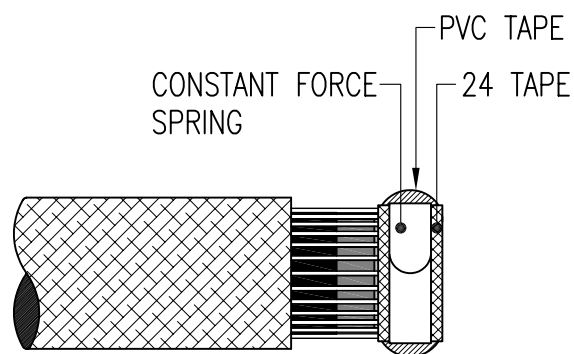
- 1.1 CLEAN PVC OVERSHEATH.
- 1.2 PREPARE CABLE AS SHOWN, REMOVE INSULATION FROM THE OUTSIDE OF THE INSULATED CONDUCTORS ONLY.

FIG.2



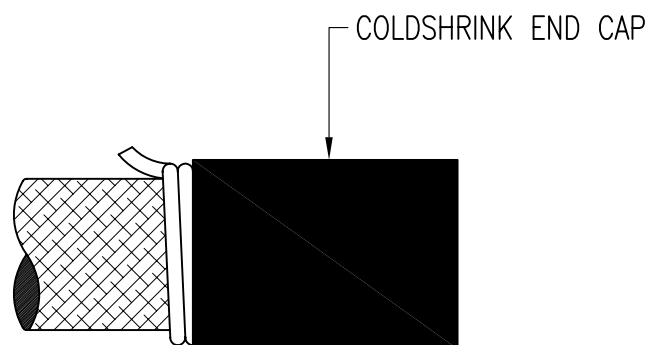
- 2.1 WRAP 24 TAPE (TINNED COPPER MESH), AROUND EXPOSED CONDUCTORS (OF INSULATED CORES) BUILDING UP TO DIAMETER OF THE INSULATION.
- 2.2 RE-LAY THE N/E OR EARTH WIRES OVER THE 24 TAPE.

FIG.3



- 3.1 WRAP 24 TAPE AROUND THE N/E OR EARTH WIRES, OVER THE POSITION OF THE PREVIOUSLY APPLIED TAPE.
- 3.2 FIT CONSTANT FORCE SPRING OVER THE 24 TAPE.
- 3.3 OVER TAPE THE CONSTANT FORCE SPRING WITH 2 LAYERS OF PVC TAPE, APPLIED IN THE SAME DIRECTION AS THE SPRING.

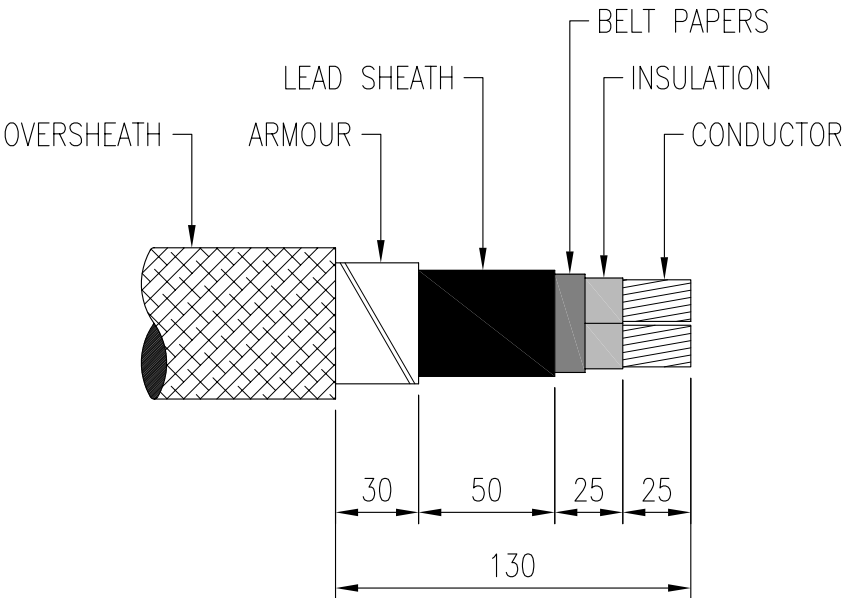
FIG.4



- 4.1 POSITION END CAP OVER END OF CABLE AND SHRINK ON TO THE CABLE BY UNWINDING THE CORE IN AN ANTI-CLOCKWISE DIRECTION.

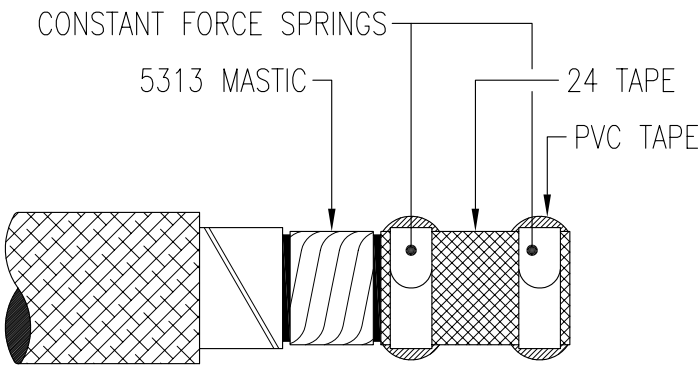
KIT REF.	PILC CABLE O.D.(mm.) + CABLE TYPE
DNO/CSCAK 4	18–25mm 2 CORE SERVICE
DNO/CSCAK 5	25–42mm 2/4 CORE SERVICE/MAINS
DNO/CSCAK 6	42–52mm 4 CORE MAINS
DNO/CSCAK 7	52–81mm 4 CORE MAINS

FIG.5



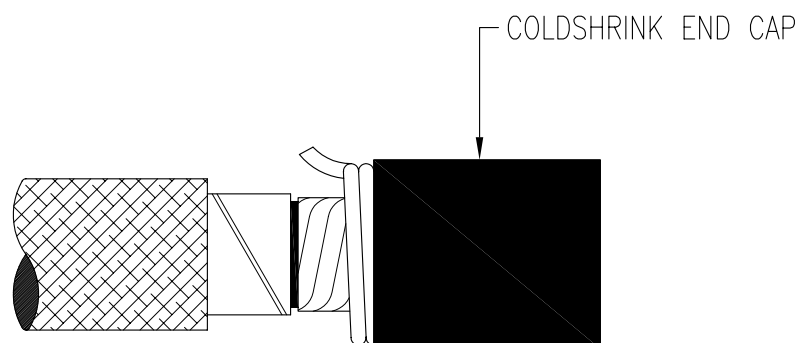
5.1 PREPARE CABLE AS SHOWN, REMOVING INSULATION FROM OUTSIDE OF THE CONDUCTORS ONLY.

FIG.6



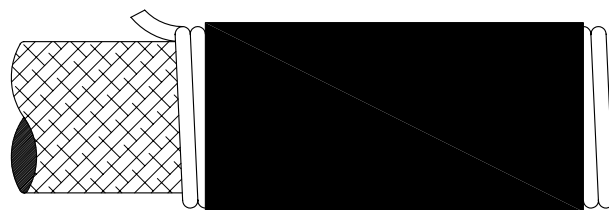
- 6.1 WRAP 24 TAPE, 2 HALF LAPPED LAYERS, (TINNED COPPER MESH) AROUND EXPOSED CONDUCTORS EXTENDING ON TO THE LEAD SHEATH FOR 20mm.
- 6.2 SECURE THE TAPE TO THE LEAD SHEATH AND CONDUCTORS USING 2 CONSTANT FORCE SPRINGS.
- 6.3 OVERTAPE THE SPRINGS WITH 2 LAYERS OF PVC TAPE, APPLIED IN THE SAME DIRECTION AS THE SPRINGS.
- 6.4 APPLY 2 LAYERS OF 5313 MASTIC TO COVER THE EXPOSED LEAD SHEATH.

FIG.7



- 7.1 POSITION END CAP OVER END OF CABLE AND SHRINK ON TO THE CABLE BY UNWINDING THE CORE IN AN ANTI-CLOCKWISE DIRECTION.

FIG.8



- 8.1 OVERLAP PREVIOUS LAYER OF 5313 MASTIC WITH A SECOND LAYER EXTENDING 20mm ON TO END CAP.
8.2 POSITION TUBE OVER END CAP AS SHOWN WITH CORE TOWARDS CABLE. SHRINK ON TO THE CABLE BY UNWINDING THE CORE IN AN ANTI-CLOCKWISE DIRECTION.



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582
WWW.THORNEANDDERRICK.CO.UK