

**3M BARRIER BOOT**  
**COLD APPLIED BARRIER BOOT SYSTEM**  
**FOR WET INDOOR APPLICATION**  
**92-EE717-1 FOR CABLES**  
**WITH SOLID DIELECTRIC INSULATION**  
**ACC. TO VDE 0276 (IEC 60502-1)**  
**UP TO 8.7/15kV, 50mm<sup>2</sup> – 300mm<sup>2</sup>**

**BARRIER BOOT APPLICATION TABLE**

RATED VOLTAGES	CABLE CROSS SECTION (mm <sup>2</sup> )	TERMINATION DIAMETER		CIRCULAR BUSHING* DIAMETER				BUSHING LENGTH		ELLIPTICAL BUSHING* CIRCUMFERENCE	
		E (mm)		d1 (mm)		d2 (mm)		C (mm)		F (mm)	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
6.35/11(12)kV and 8.7/15(17.5)kV	50 – 300	20.0	41.0	40.0	60.0	46.5	70.0	35 – 127		135	182

\* FOR BUSHINGS BELOW THESE MINIMUM DIMENSIONS USE SUPPLEMENTARY KIT (BSK) CONTAINING A COLD SHRINK EPDM TUBE IN CONJUNCTION WITH THE STANDARD KIT 92-EE717-1.

**MINIMUM CLEARANCE DIMENSIONS FOR TERMINATIONS SHROUDED WITH BARRIER BOOTS**

PHASE TO PHASE CLEARANCE (mm)	PHASE TO EARTH CLEARANCE (mm)	MINIMUM CLEARANCE BETWEEN BARRIER BOOTS (mm)
70	30	3

<b>3M</b> U.K. PLC. © 2004 3M CENTRE, CAIN ROAD, BRACKNELL BERKS. RG12 8HT, ENGLAND	4	LATEST REQUIREMENT.	ERH	04.09.06
	3	LATEST REQUIREMENT.	ERH	23.12.05
	2	LATEST REQUIREMENT.	ERH	22.09.05
	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.

MOD ENG :	DES.ENG. : A.RUSSELL
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CAD FILE : 2912-5	RELEASED :

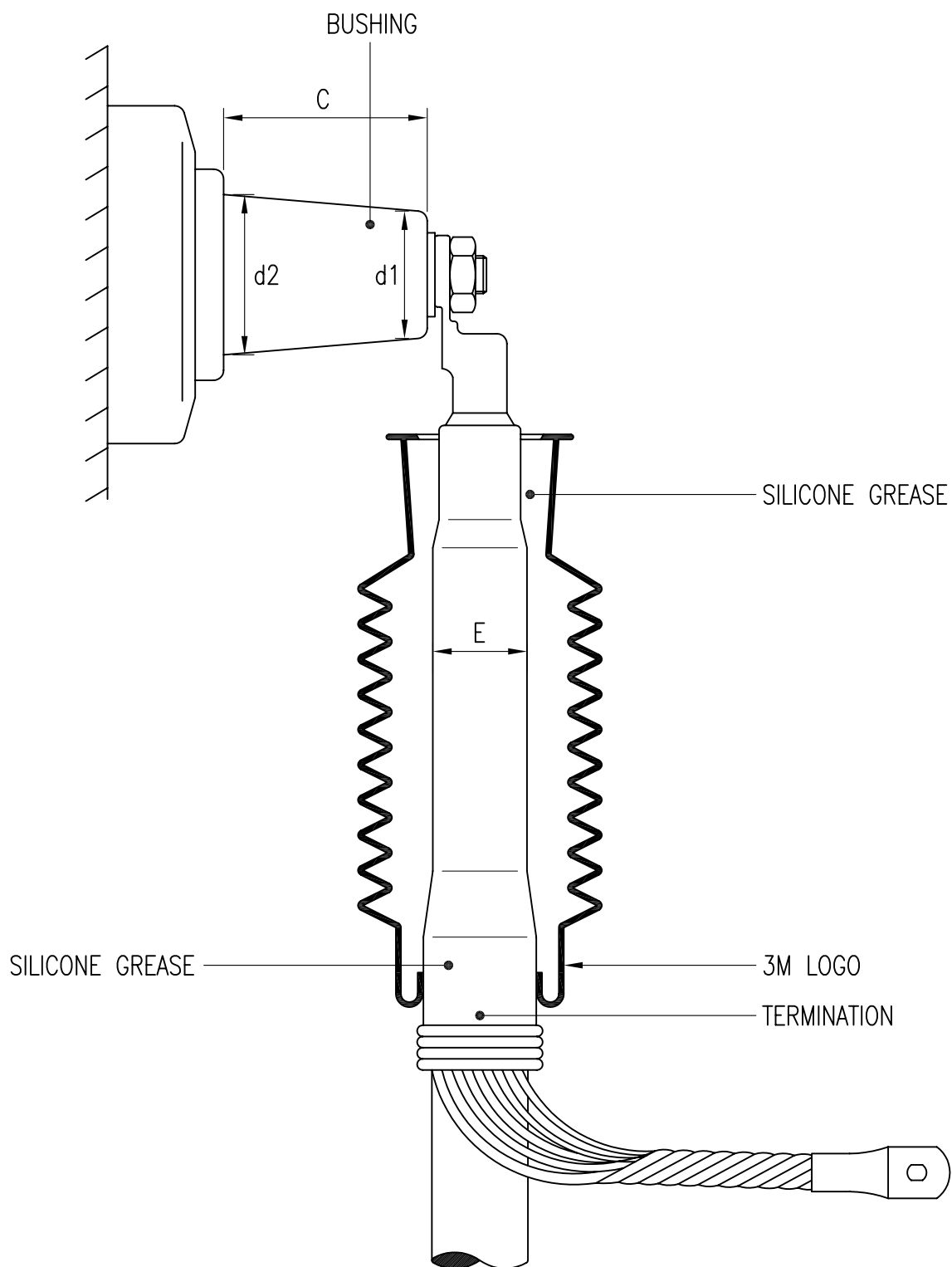
**INSTALLATION INSTRUCTIONS**

**3M** ELECTRICAL PRODUCTS

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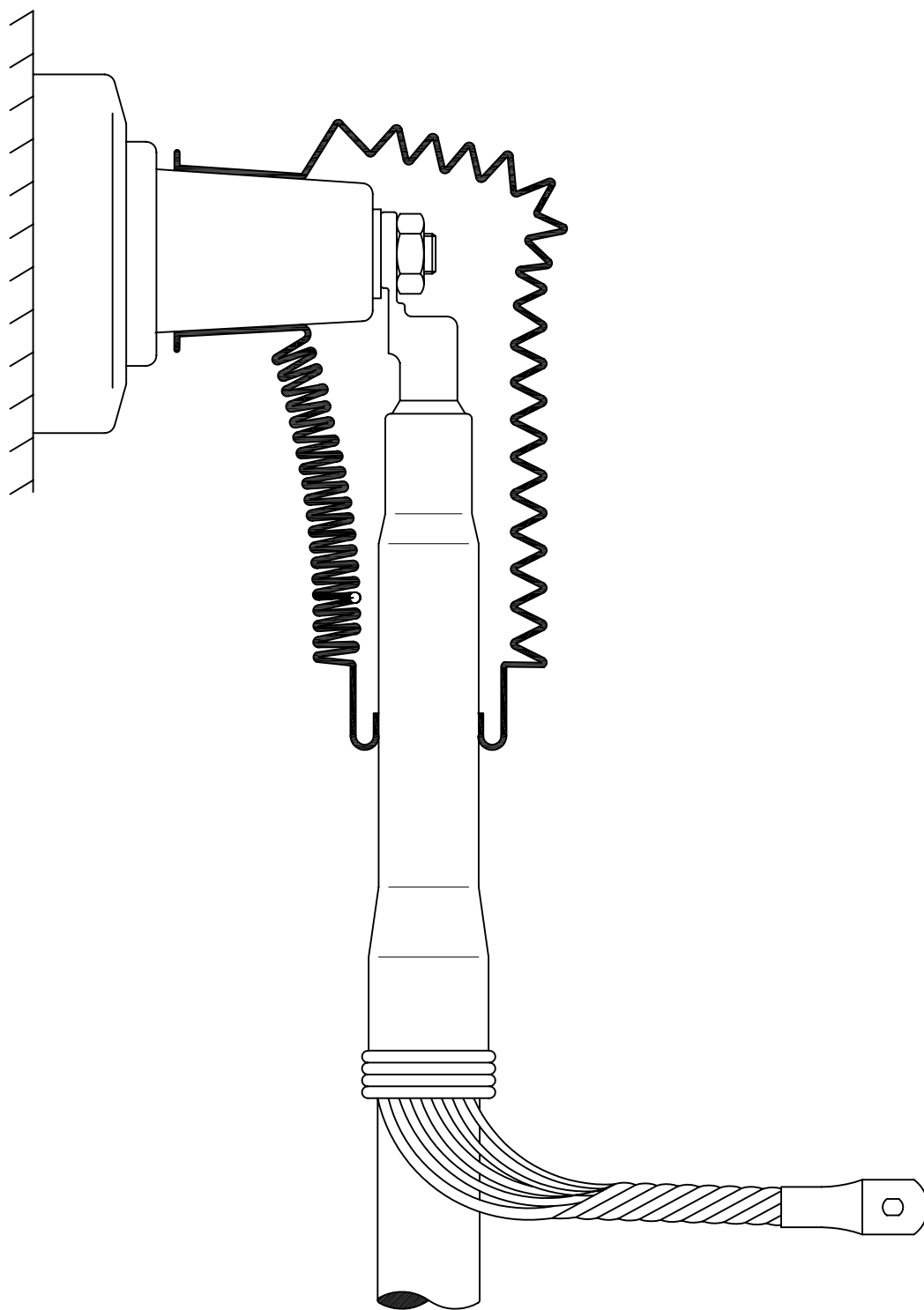
SHEET 1 OF 3 A4

FIG.1



- 1.1 APPLY SILICONE GREASE, TO TERMINATION BODY AND BUSHING ENDS OF THE BARRIER BOOTS, AND SPREAD AROUND INNER SURFACES USING THE GLOVES PROVIDED.
- 1.2 PLACE THE BOOT ON THE TERMINATION.
- 1.3 CONNECT CABLE LUG WITH THE BUSHING.

FIG.2



- 2.1 LUBRICATE THE BUSHING WITH A LIBERAL AMOUNT OF SILICONE GREASE, USING THE GLOVES PROVIDED.
- 2.2 SLIDE UPPER PART OF THE BOOT CAREFULLY OVER THE CONNECTION ON TO THE BUSHING.  
THE TUBULAR PORTION OF THE BOOT SHOULD EXTEND WELL ON TO THE BUSHING.
- 2.3 ADJUST THE BARRIER BOOT AROUND THE CONNECTION.