

3M QTHI COLDSHRINK 20kV

TERMINATIONS FOR SINGLE CORE
POLYMERIC, COPPER WIRE SCREENED CABLE
(OUTDOOR)

KIT REF.	93-EP630-2-NY83	93-EP640-2-NY84
CATALOGUE No.	163666	163667
RANGE CSA (mm. ²)	95 - 185	300 - 400
(D) INSULATION DIAMETER(mm.)	21.1 - 38.9	26.7 - 45.7

QTY	93-EP630-2-NY83	93-EP640-2-NY84
3	QTHI TERMINATION BODY S-4S	QTHI TERMINATION BODY T-4S
3	PHASE LUG HVTM 1/1-2H(B)	PHASE LUG HVTM 1/3-2H(B)
3	SCREEN LUG ML4-14/12	SCREEN LUG ML4-14/12

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3M CENTRE, CAIN ROAD, BRACKNELL
BERKS. RG12 8HT, ENGLAND

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 JOINTS AND TERMINATIONS
MADE IN CONNECTION WITH THE USE OF DATA OR SUGGESTIONS STATED HEREIN.

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Cad File: XE-0091-3002-4

Checked:

ISSUE	DESCRIPTION / ECO	BY	DATE
3	AMENDED CABLE RANGE	MJE	22.11.17
2	CSA's & INSUL DIA REVISED	ERH	06.06.05
1	FOR RELEASE.	ERH	13.08.04

INSTALLATION
INSTRUCTIONS

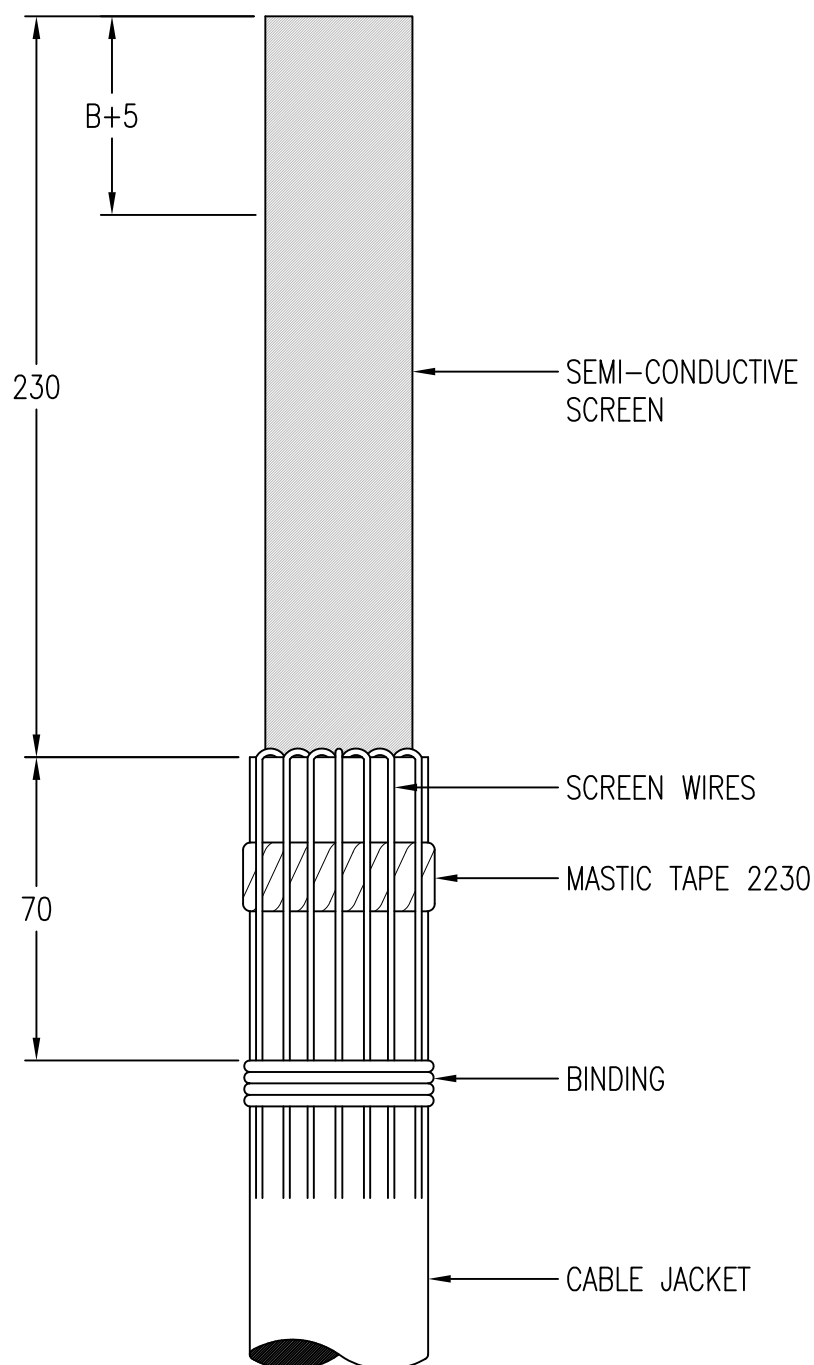
3M ELECTRICAL PRODUCTS

AA-BBCC-2680-9

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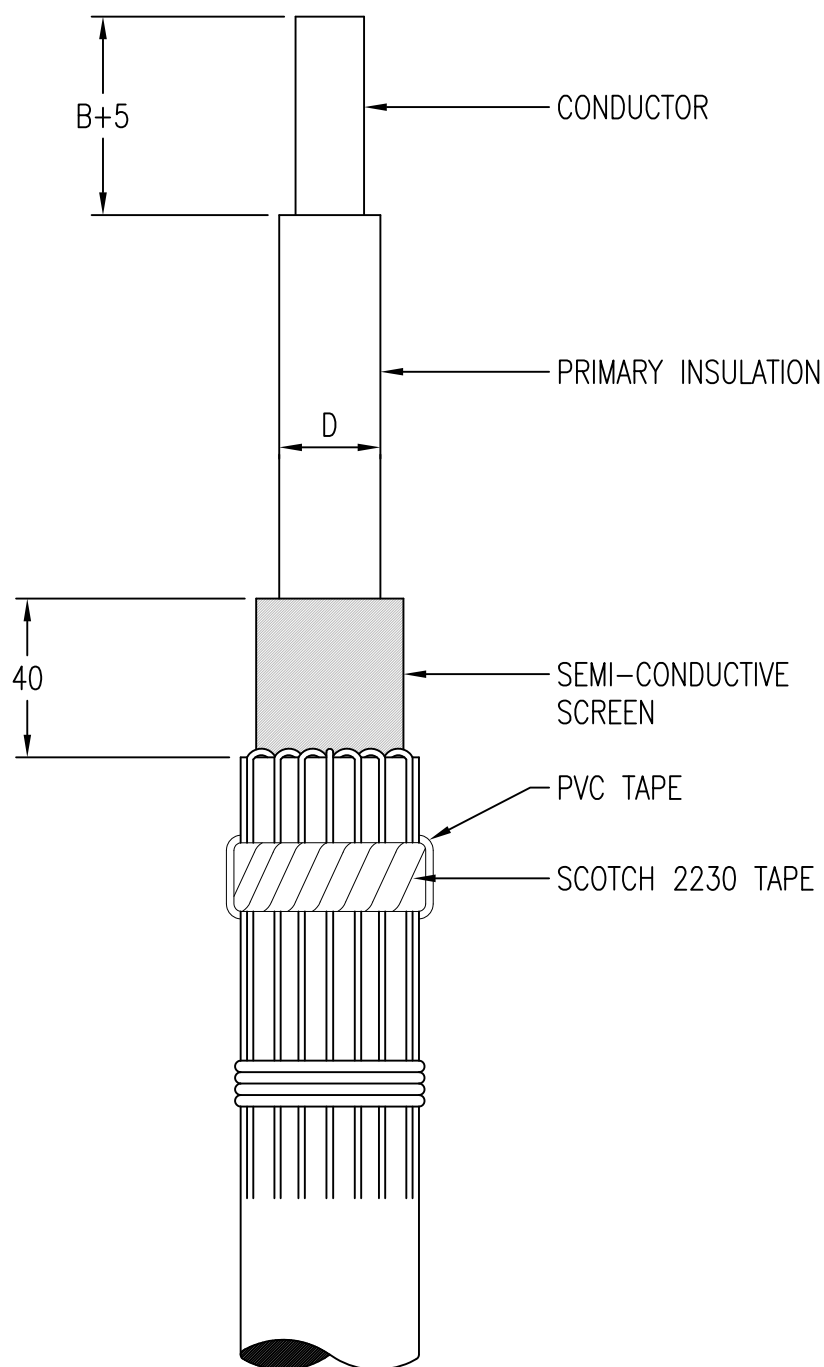
SHEET
1 of 4

A4



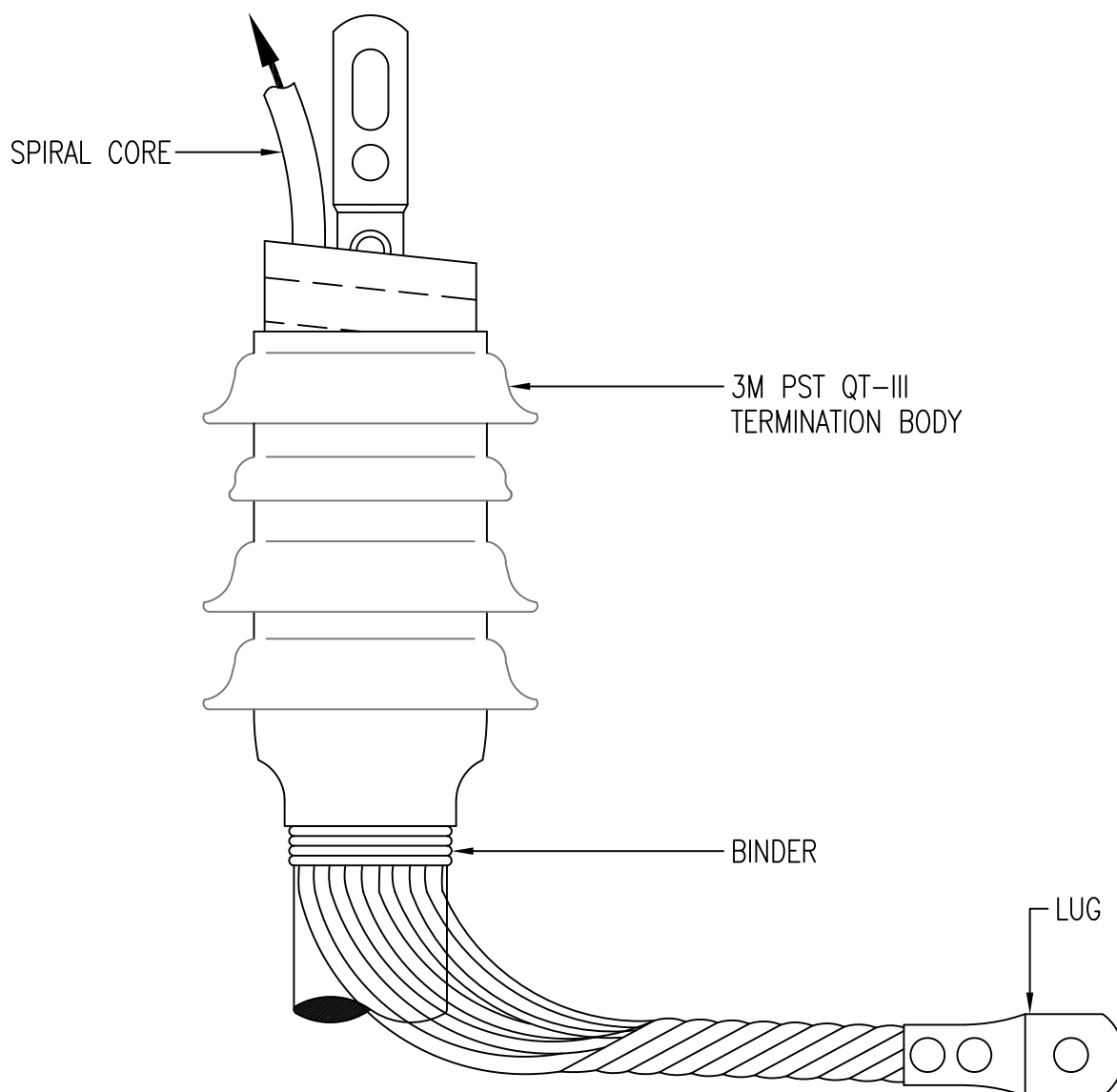
- 1.1 REMOVE THE CABLE JACKET ACCORDING TO LENGTH, B = DEPTH OF LUG BARREL.
- 1.2 APPLY A SEAL WITH MASTIC TAPE 2230 OVER THE CABLE JACKET, ONE LAYER ONLY.
- 1.3 BEND THE SCREENING WIRES BACK OVER THE SEAL AND THE CABLE JACKET AND FIX THEM WITH A BINDING 70mm. BELOW THE SHEATH CUT. LEAVE ENOUGH COPPER WIRE TO REACH EARTH POINT.

FIG.1



- 2.1 APPLY A SECOND SEAL OF MASTIC OVER THE COPPER WIRES, ONE LAYER ONLY.
- 2.2 COVER THE SEAL WITH 2 LAYERS OF PVC TAPE.
- 2.3 REMOVE THE SEMI-CON OUTER CABLE SCREEN LEAVING 40mm. IN FRONT OF THE CABLE JACKET.
- 2.4 REMOVE THE PRIMARY INSULATION FOR B+5mm. WHERE B = DEPTH OF LUG BARREL.

FIG.2



- 3.1 INSTALL MECHANICAL PHASE LUG IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 3.2 DEBURR AND DEGREASE.
- 3.3 CLEAN AND DEGREASE THE PRIMARY INSULATION.
- 3.4 REMOVE THE RED SHIPPING CORE.
- 3.5 SLIDE THE TERMINATION OVER THE CABLE END.
- 3.6 UNWIND THE SPIRAL CORE ANTI-CLOCKWISE, START TO SHRINK FROM THE BINDING.
- 3.7 TWIST THE SCREEN WIRES AND FORM INTO A CONDUCTOR.
- 3.8 INSTALL EARTH LUG IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

FIG.3