

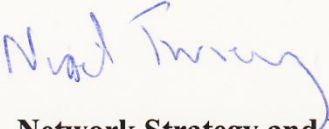
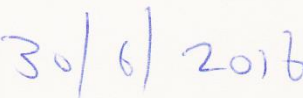
Company Directive

POLICY DOCUMENT: CA3/2

Relating to the cable to be used on the 33kV system

Policy Summary

This document details the Company requirements for the type of cable to be used on the Western Power Distribution 33kV distribution system.

Author:	Peter White
Implementation Date:	June 2016
Approved by:	 Network Strategy and Innovation Manager
Date:	

NOTE: The current version of this document is stored in the WPD Corporate Information Database. Any other copy in electronic or printed format may be out of date. Copyright © 2016 Western Power Distribution

IMPLEMENTATION PLAN

Introduction

Minor changes have been made to ensure the document covers the whole of WPD area and covers all cable sizes currently used.

Main Changes

Minor changes have been made to ensure the document covers the whole of WPD area and covers all cable sizes currently used.

Impact of Changes

None.

Implementation Actions

Team managers to disseminate the information to their relevant staff.

Implementation Timetable

This Standard Technique can be implemented with immediate effect.

Document Revision & Review Table		
Date	Comments	Author
June 2016	Minor changes have been made to ensure the document covers the whole of WPD area and covers all cable sizes currently used.	Peter White

1.0 INTRODUCTION

This document describes the type of cable to be used on the Western Power Distribution plc's 33kV distribution networks.

2.0 POLICY FOR 33kV UNDERGROUND DISTRIBUTION CABLES

19,000/33,000 Volt single core cable, the cable shall be constructed with a water blocked, stranded circular copper phase conductor of 185, 300 or 400mm², a semi-conducting conductor screen, EPR insulation, a semi-conducting easy strip insulation screen, with 35mm² copper wire screen wires, a plastic lay-up tape and a medium density polyethylene (MDPE) coloured black oversheath, to British Standard Specification (BS) BS 7870 Part 4.10, Table 3.

Provision shall be made to prevent the longitudinal and radial transmission of water in the stranded copper conductor, using tape water blocking material.

3.0 POLICY FOR 33kV SUBSTATION CABLES

19,000/33,000 Volt single core cable, the cable shall be constructed with a water blocked stranded circular copper phase conductor of 630mm², a semi-conducting conductor screen, EPR insulation, a semi-conducting easy strip insulation screen, with 35mm² copper wire screen wires, a plastic lay-up tape and a medium density polyethylene (MDPE) coloured black oversheath, to British Standard Specification (BS) BS 7870 Part 4.10, Table 3.

Provision shall be made to prevent the longitudinal and radial transmission of water in the stranded copper conductor, using tape water blocking material.

APPENDIX A

SUPERSEDED DOCUMENTATION

This document supersedes POL:CA3/1 dated July 2006 which has now been withdrawn.

APPENDIX B

ASSOCIATED DOCUMENTATION

Specification EE 72

APPENDIX C

IMPACT ON COMPANY POLICY

None.

APPENDIX D

IMPLEMENTATION OF POLICY

Team managers to disseminate the information to their respective 11kV staff.

APPENDIX E

KEY WORDS

EPR cable, Copper Wire Screen, 33kV single core.