# **Cable Test Report**



Date of Test	1 1					Feeder No.
Cable Circuit						
From						
То						
Туре	☐ PLY (Paper le	ad)	☐ XLPE/ PLY Con	bination	XLPE	Size
Reason for Test	☐ New		Alteration		☐ Repair	
Step	Action					Initial when Complete
1	Authorised access	obtained				
2	Check destination	and isolat	or labels			
3	Disconnected from	n other equ	uipment			
4	Correct test probe	s installed				
5	Phasing check					
6	Sheath earth bond	ding correc	t			
Note – If Frame Ear	th Fault (FEF) Prot	ection is i	nstalled on switchge	ar, sheath i	s to be connected	d to substation earth
7	Cable assignment	correct				
8	Install warning sig	ns and tap	е			
Note - Wear Insulat	ing Gloves for Meg	ger and H	V Tests			·
9	A To (Screen and	Earth)	>	1000MΩ (at	5000V)	
	B To (Screen and	Earth)	>			
	C To (Screen and	Earth)	>			
Complete Test	А То В		>			
Results on Page 2	В То С		>			
	СТоА		>			
	XLPE Only Scre	en to Eartl				
Note - Should the II	nsulation Resistan	ce be belo	w the above minimu	•		uld be applied
10	HV Tests (Level 2	Only)	See Page 2			
11	Circuit Restored to					
12	Access acquitted					
Comments						

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Phasing Diagram		Ins	Insulation Resistance In Megohms						
		Eq	Equipment Number						
					Volts	1 Min.	2 Min.		
		A-I	A-Earth & Screen						
			B-I	B-Earth & Screen					
			C-	C-Earth & Screen					
			A-I	В					
			B-(	С					
			C	A					
			Sc	reen-E					
Phasing & Polarity Dra	wing No.		Sh	eath-E					
Test Voltages									
		New Cab	le (100% tes	t voltage) - kV	Old Cable (75% test voltage) - kV				
Rated Voltage kV	Connections	DC	Sinusoid RMS	al Cosine Rect. Peak	DC	Sinusoidal RMS	Cosine Rect. Peak		
11	Core to Sheath	-25	13	19	-19	10	15		
11	Core to Core	+17/-17	13	19	+13/-13	10	15		
33	Core to Sheath	-75	38	57	-56	30	44		
33 HSL	Core to Sheath				-45				

### DC High Voltage Test - PLY only

Time: 11k v & 33kV - 15 minutes

I start, I finish in mA

Connections			Time	Negative			Positive		
-	+	Earth	Minutes	kV	I start	I finish	kV	I start	I finish
ABC									
Α	В	С							
В	С	Α							
С	A	В							

### VLF High Voltage Test - XLPE & XLPE/ PLY Combination

Time: 11k V - 15min. & 33kV - 30min.				l start, I finish in mA						
Connections			Time	Sinusoidal - RMS			Cosine Rectangular - Peak			
-	Earth	Earth	Minutes	kV	I start	l finish	kV	I start	I finish	
АВС										
Α	В	С								
В	С	Α								
С	Α	В								
Weather Conditions					Equipment	<b>Equipment Number</b>				
Result of Test					Label Attac	hed at	_			

#### Comments