



CENTRAL CABLES BERHAD
7862, BATU BERENDAM, P.O BOX : 313,
75760 MELAKA, MALAYSIA

FACTORY ACCEPTANCE TEST (M/V UNDERGROUND CABLE)

DATE : 17 - 05 - 10
CABLE SIZE : 300 mm² x 3c 11 KV
DESCRIPTION : Cu/4PE/CNS/PE/SWA/PE

DRUM NO : mp 0215/10
LENGTH : 302 (M)

ID. Tape Colour / Phase	Partial Discharge	AC Voltage Test	Conductor Resistance at 20°C Ω/km	Insulation Resistance	Thickness (mm)												Hot Set	
					Outer Sheath (mm)	Inner Sheath (mm)	Conductor Screen	Insulation	Insulation Screen	Conductor Screen	Insulation	Insulation Screen	Conductor Screen	Insulation	Insulation Screen	Max 175%	±15%	
Spec. < 10pC	Spec: kv/m	Spec: 0.060 Ω/km Temp: 30.3 T.C.F: 0.9611	Spec: 1100 Ω.km	Red			Yellow			Blue								
				Max :	Max :	Max :	Max :	Max :	Max :	Max :	Max :	Max :						
				Ave. std :	Ave. std :	Ave. std :	Ave. std :	Ave. std :	Ave. std :	Ave. std :	Ave. std :							
				Map :	Map :	Map :	Map :	Map :	Map :	Map :	Map :							
Red	1.5	PASSED	Measured Reading:	3.920	2.222	0.740	3.270	0.750	0.866	3.527	0.744	0.811	3.860	0.640	60	0		
Red - 18.5			4.074	2.276	0.630	3.466	0.644	0.740	3.345	0.690	0.640	3.470	0.757					
Yell - 18.6			3.808	2.136	0.644	3.457	0.690	0.633	3.466	0.649	0.766	3.560	0.766					
Blue - 18.5			4.298	1.976	0.781	3.475	0.741	0.760	3.440	0.760	0.740	3.519	0.691	65	0			
Converted Reading			4.360	2.370	0.766	3.527	0.766	0.644	3.500	0.811	0.827	3.474	0.840					
Red - 0.059			4.210	2.162	0.817	3.422	0.630	0.706	3.470	0.729	0.750	3.375	0.750					
Yell - 0.059			Ave : 4.11	Ave : 2.19	Ave : 0.73	Ave : 3.45	Ave : 0.70	Ave : 0.72	Ave : 3.46	Ave : 0.73	Ave : 0.76	Ave : 3.46	Ave : 0.74	50	+5			
Blue - 0.059			Map : 3.808	Map : 1.976	Map : 0.630	Map : 3.370	Map : 0.630	Map : 0.633	Map : 3.345	Map : 0.649	Map : 0.640	Map : 3.360	Map : 0.640					
Red																		
Yell																		
Blue																		

Note: Map = Minimum

Note : Map = Minimum at any point
T.C.F = Temperature Correction Factor

DC Voltage Test On Outer Sheath : _____ kv / 1 m (-)

Remarks :

Tested By : [Signature]

Verified By : [Signature]

[Signature] (MSO. KADIR BIDA IN)
PTIS ENG. S/B

Witness By : [Signature] [Signature]
Rasmi Ramli
Rasmi Ramli

300 μm^2 X 3C CU 11W
 X₁PE / cTS / PE / SWA / PE
 MPO215 / 10
 300 μm

PD-Scope

Setup: STANDARD

Date: 17.05.10

Time: 11:06

☒ PD Level

1.5 pC

☒ Voltage

11.0 kV

50 Hz

PD-Range:

2.0 pC/div

Noise Suppression:

15 %

Synchronisation:

Auto

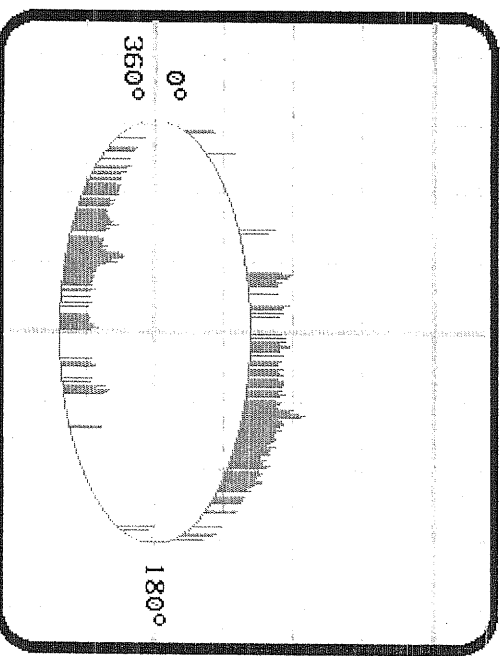
Gain:

Manual

Alt-F9 Load New Setup

Alt-F2 Start PD-LOCATION

ESC Quit PD-DETECTOR



PD Trigger ☒

Witness by:

[Signature] Renat Ramm
 17/5/2010

[Signature]
 420. kV
 (PTS EN's p/a).

TS
 17/5/2010

KOZANA NASTAR