



Cable No.	FROM	TO	Load Amps	N° of Cores	Size mm ²	N° of Cables	Cable Type	Earth Cond. Type	Earth Cond. Size	Route Length M	Cond of Use	Defined Use	Upstream protective device rating	REMARKS
P001	RMU	Transformer		4	95	1	8	1E		60	T		52	
P002	Transformer	MDB		4		1	5	3E		10			1800	
P003	GEN1	MDB		4	185	2	3	1E		20	T		600	
P004	MDB	UPS		4	25	2	3	2E		50	T		80	
P005	UPS	DB UPS		4	25	1	3	2E		10	T		80	
P006	MDB (NON-ESSENTIAL)	SPARE												
P007	MDB (NON-ESSENTIAL)	DB G1		4	35	1	3	2E		15	T		100	
P008	MDB (NON-ESSENTIAL)	DB O1		4	35	1	3	2E		20	T		100	
P009	MDB (NON-ESSENTIAL)	DB O2		4	35	1	3	2E		25	T		100	
P010	MDB (NON-ESSENTIAL)	DB O3		4	35	1	3	2E		30	T		100	
P011	MDB (NON-ESSENTIAL)	DB O4		4	35	1	3	2E		35	T		100	
P012	MDB (NON-ESSENTIAL)	DB O5		4	35	1	3	2E		40	T		100	
P013	MDB (NON-ESSENTIAL)	DB ACDB1 (BY OTHERS)		4	185	3	3	2E		60	T		800	
P014	MDB (NON-ESSENTIAL)	SPARE												
P015	MDB (NON-ESSENTIAL)	SPARE												
P016	MDB (NON-ESSENTIAL)	SPARE												
P017	MDB (ESSENTIAL)	DB B1E		4	25	1	3	2E		20	T		100	
P018	MDB (ESSENTIAL)	DB G1E		4	25	1	3	2E		25	T		80	
P019	MDB (ESSENTIAL)	DB O1E		4	25	1	3	2E		30	T		80	
P020	MDB (ESSENTIAL)	DB O2E		4	25	1	3	2E		35	T		80	
P021														
P022	MDB (ESSENTIAL)	DB O3E		4	25	1	3	2E		40	T		80	
P023	MDB (ESSENTIAL)	DB O4E		4	25	1	3	2E		45	T		80	
P024	MDB (ESSENTIAL)	DB O5E		4	25	1	3	2E		50	T		80	
P025	MDB (ESSENTIAL)	DB ROOF		4	25	1	3	2E		65	T		80	

Cable Type: 600/ 1000V rating 1= Cu. Pvc in conduit 2=Cu. Pvc, Pvc 3= Cu, Pvc, Swa, ECC, PVC 4= Cu. Pvc, Swa plain, PVC 5=Resin encapsulated Cu busbar 6= 7= 6.35/ 11kV rating 8=AL,ABC XLPE aerial self supporting 9=AL PILC armored PVC 10=Cu XLPE SWA PVC copper tape 11= Cu, PILC armoured PVC 12= 13= 14=										Earth Conductor type 1E= Cu PVC 2E= SWA/ECC 3E= Cu bar 4E= Bare Cu 5E = CuPVC + SWA			Cond. of Use A=Aerial C=Conduit D=Duct G=Direct in ground K=Direct Sun T=Tray/ ladder		Defined Use T1=Trefoil-RWB grouping T2=Trefoil grouping per phase S=Spaced <0.5 diameter between cables/ walls S1=Spaced ≥0.5 diameter to adjacent cable/ walls.	
					ENGINEER:	DRAWN:	DATE:	CHKD	P SIZE	TITLE: GOVERNMENT PRINTING WORKS - REFURBISHMENT Electrical Cable Schedule						
					MK	VT	NOV'17		A4							
A	General Revision	KS	26/02/20	MK	PROJ No.:		DWG No	REV	SCALE							
0	Original Issue	VT	22/02/18	AM	17052		600	A	nts							
REV	DESCRIPTION	BY	DATE	CHKD	FILE NAME: 17052_600 SHEET: 1 of 3											




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Cable No.	FROM	TO	Load Amps	N° of Cores	Size mm ²	N° ^{e /} Cables	Cable Type	Earth Cond. Type	Earth Cond. Size	Route Length M	Cond of Use	Defined Use	Upstream protective device rating	REMARKS			
P026	MDB (ESSENTIAL)	LIFT 1		4	16	1	3	2E		25	T		60				
P027	MDB (ESSENTIAL)	LIFT 2		4	16	1	3	2E		35	T		60				
P028	MDB (ESSENTIAL)	LIFT 3		4	16	1	3	2E		60	T		60				
P029	MDB (ESSENTIAL)	DB-ACDB2 Smoke Extraction(By Others)		4	6	1	3	2E		50	T		20				
P030	MDB (ESSENTIAL)	WATER PUMP		4	10	1	3	2E		35	T		30				
P031	MDB (ESSENTIAL)	Basement DB-AC	400	4	95	2	3	2E		45	T		400				
P032	MDB (ESSENTIAL)	SPARE															
P033	MDB (ESSENTIAL)	SPARE															
P034																	
P035																	
P036																	
P037																	
P038																	
P039																	
P040	DB-UPS	UPS-G1		4	16	1	3	2E		50	T		40				
P041	DB-UPS	UPS-O1		2	10	1	3	2E		20	T		40				
P042	DB-UPS	UPS-O2		4	16	1	3	2E		30	T		40				
P043	DB-UPS	UPS-O3		2	10	1	3	2E		25	T		40				
P044	DB-UPS	UPS-O4		2	10	1	3	2E		30	T		40				
P045	DB-UPS	UPS-O5		4	10	1	3	2E		35	T		40				
P046		SPARE															
P047	Basement DB-AC	AC1 (Ground Floor)		4	16	1	3	2E		20	T		60				
P048	Basement DB-AC	AC2 (First Floor)		4	10	1	3	2E		55	T		40				
P049	Basement DB-AC	AC3 (First Floor)		4	10	1	3	2E		30	T		40				
P050	Basement DB-AC	AC4 (Second Floor)		4	10	1	3	2E		60	T		40				
Cable Type: <u>600/ 1000V rating</u> 1= Cu. Pvc in conduit 2=Cu. Pvc, Pvc 3= Cu, Pvc, Swa, ECC, PVC 4= Cu. Pvc, Swa plain, PVC 5=Resin encapsulated Cu busbar 6= 7=						<u>6.35/ 11kV rating</u> 8=AL,ABC XLPE aerial self supporting 9=AL PILC armored PVC 10=Cu XLPE SWA PVC copper tape 11= Cu, PILC armoured PVC 12= 13= 14=				Earth Conductor type 1E= Cu PVC 2E= SWA/ECC 3E= Cu bar 4E= Bare Cu 5E = CuPVC + SWA			Cond. of Use A=Aerial C=Conduit D=Duct G=Direct in ground K=Direct Sun T=Tray/ ladder		Defined Use T1=Trefoil-RWB grouping T2=Trefoil grouping per phase S=Spaced <0.5 diameter between cables/ walls S1=Spaced ≥0.5 diameter to adjacent cable/ walls.		
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0	Original Issue	VT	22/02/18	AM	17052	600	A	nts									
REV	DESCRIPTION	BY	DATE	CHKD	FILE NAME: 17052_600				SHEET: 2 of 3								

Cable No.	FROM	TO	Load Amps	N° of Cores	Size mm²	N° $\parallel^{e/}$ Cables	Cable Type	Earth Cond. Type	Earth Cond. Size	Route Length M	Cond of Use	Defined Use	Upstream protective device rating	REMARKS
P051	Basement DB-AC	AC5 (Second Floor)		4	10	1	3	2E		35	T		40	
P052	Basement DB-AC	AC6 (Third Floor)		4	10	1	3	2E		65	T		40	
P053	Basement DB-AC	AC7 (Third Floor)		4	10	1	3	2E		40	T		40	
P054	Basement DB-AC	AC8 (Fourth Floor)		4	10	1	3	2E		70	T		40	
P055	Basement DB-AC	AC9 (Fourth Floor)		4	10	1	3	2E		45	T		40	
P056	Basement DB-AC	AC10 (Fifth Floor)		4	10	1	3	2E		80	T		40	
P057	Basement DB-AC	AC11 (Fifth Floor)		4	10	1	3	2E		50	T		40	
P058														
P059														
P060														
P061														
P062														
P063														
P064														
P065														
P066														
P067														
P068														
P069														
P070														
P071														
P072														
P073														
P074														
P075														

Cable Type:										Earth Conductor type		Cond. of Use		Defined Use	
600/ 1000V rating 1= Cu. Pvc in conduit 2=Cu. Pvc, Pvc 3= Cu, Pvc, Swa, ECC, PVC 4= Cu. Pvc, Swa plain, PVC 5=Resin encapsulated Cu busbar 6= 7=										1E= Cu PVC 2E= SWA/ECC 3E= Cu bar 4E= Bare Cu 5E = CuPVC + SWA		A=Aerial C=Conduit D=Duct G=Direct in ground K=Direct Sun T=Tray/ ladder		T1=Trefoil-RWB grouping T2=Trefoil grouping per phase S=Spaced <0.5 diameter between cables/ walls S1=Spaced ≥0.5 diameter to adjacent cable/ walls.	
6.35/ 11kV rating 8=AL,ABC XLPE aerial self supporting 9=AL PILC armored PVC 10=Cu XLPE SWA PVC copper tape 11= Cu, PILC armoured PVC 12= 13= 14=															

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A	General Revision	KS	26/02/20	MK				A	nts	
0	Original Issue	VT	22/02/18	AM	17052		600			
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