

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف توکیم گاز در ایستگاه جمع آوری بینک							 	
	ELECTRICAL POWER & CONTROL CABLE SCHEDULE								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه	بسته کاری	صادرکننده	تهیهات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: ۱ از ۱۲
	BK	GCS	PEDCO	120	EL	LI	0002	D03	

طرح نگهداشت و افزایش تولید ۲۷ مخزن

ELECTRICAL POWER & CONTROL CABLE SCHEDULE

نگهداشت و افزایش تولید میدان نفتی بینک

D03	Apr.2025	IFA	E.Zamani	M.Fakharian	S.Faramarzpour	
D02	Nov.2024	IFA	M.Pourdasht	M.Fakharian	M.Sadeghian	
D01	Nov.2023	IFA	H.Shakiba	M.Fakharian	S.Faramarzpour	
D00	June.2022	IFC	H.Shakiba	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Class: 1 1

CLIENT Doc. Number: F0Z-709067

status:

IDC: Inter-Discipline Check

IFC: Issued For Comment

IFA: Issued For Approval

AFD: Approved For Design

AFC: Approved For Construction

AFP: Approved For Purchase

AFQ: Approved For Quotation

IFI: Issued For Information

AB-R: As-Built for CLIENT Review

AB-A: As-Built –Approved

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض								
	احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک ELECTRICAL POWER & CONTROL CABLE SCHEDULE								
	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	EL	LI	0002	D03	شماره صفحه: ۱۲ از ۱۲

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04	Page	D00	D01	D02	D03	D04
1	X	X	X	X		51					
2	X	X	X	X		52					
3	X	X	X	X		53					
4	X	X	X	X		54					
5	X	X	X	X		55					
6	X	X	X	X		56					
7	X	X	X	X		57					
8	X	X	X	X		58					
9	X	X	X	X		59					
10		X	X	X		60					
11		X	X	X		61					
12		X	X	X		62					
13		X	X	X		63					
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 NISOC	تجهاد است و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	ELECTRICAL POWER & CONTROL CABLE SCHEDULE								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: ۳ از ۱۲
	BK	GCS	PEDCO	120	EL	LI	0002	D03	

1. ELECTRICAL CABLE NUMBERING SYSTEM

XXX-XXXXX- XX
1 2 3

(1) 1ST Group (Cable Type Commodity Code):

H: High Voltage Power Cable Uo/U (6/10 kV & 12/20 Kv & 18/30)

M: Medium Voltage Power Cable Uo/U (0.6/1 kV & up to 3.6/6 kV)

L: Low Voltage Power Cable Uo/U (up to and including 0.6/1 kV)

C: Control Cables

I: Instrument Cable

(2) 2ND Group

From Equipment

(3) 3RD Group

Consumer Description: To Equipment Which will be fed.

2. CABLE TYPE

A: Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)

B: Cu/XLPE/Bd/SPA/PVC - N2XRY (LV MULTI-CORE)

C: Cu/XLPE/Bd/SPA/PVC - N2XRY (LV SINGLE-CORE)

D: Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)

E: Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)

F: Cu/SC/XLPE/SC/SCT/Lsh/Bd/SPA/PVC - N2XSEYKYRY (MV MULTI-CORE WITH LEAD SHEATH)

F1: Cu/SC/XLPE/SC/SCT/Lsh/Bd/SPA/PVC - N2XSEYKYRY (HV MULTI-CORE WITH LEAD SHEATH)

G: Cu/SC/XLPE/SC/SCT/Lsh/Bd/SPA/PVC - N2XSYKYRY (MV SINGLE-CORE WITH LEAD SHEATH)

H: Cu/SC/XLPE /SC/SCT/CWS/Bd/SPA/PVC - N2XSYRY (MV SINGLE-CORE)

I: Cu/SC/XLPE/SC/SCT/CWS/Bd/SPA/PVC - N2XSEYRY (MV MULTI-CORE)

J: CU/SM/XLPE/SM/SC/PVC/SPA/PVC - N2XSEYRY (HV MULTI-CORE)

K: CU/SM/XLPE/SM/SC/PVC/SPA/PVC - N2XSYRY (HV SINGLE-CORE)

L: Cu/PVC/PVC - NYY (LV MULTI-CORE FOR LIGHTING)

R: Cu/PVC/OSCR/Bd/LSH/Bd/SPA/PVC (RTD CABLE)

S: CU/XLPE/PVC - N2XY (LV SINGLE-CORE FLEXIBLE OR EPR or H07 RN-F)

Z: CU/MGT/XLPE/LSFOH/LSFOH (FOR HAZARDOUS AREAS SUCH AS BATTERY ROOMS ...)

3. REFERENCE LIST

Area Electrical Cable Route & Section Layout	BK-GCS-PEDCO-120-EL-PY-0005
ELECTRICAL LOAD LIST	BK-GCS-PEDCO-120-EL-LI-0001
Existent MV Switchgear Expansion Single Line Diagram	BK-GCS-PEDCO-120-EL-SL-0003
LV Switchgear-MCC Single Line Diagram	BK-GCS-PEDCO-120-EL-SL-0002
Area Lighting & Small Power Layout	BK-GCS-PEDCO-120-EL-PY-0003
Electrical IO Signal List	BK-GCS-PEDCO-120-EL-LI-0005
Calculation Note for cable sizing	BK-GCS-PEDCO-120-EL-CN-0003
Electrical Typical Schematic Diagrams for LV Panel	BK-GCS-PEDCO-120-EL-DG-0002
Electrical Typical Schematic Diagrams for MV panel	BK-GCS-PEDCO-120-EL-DG-0001
Distribution & Lighting Panels Single Line Diagram	BK-GCS-PEDCO-120-EL-SL-0004

Notes:

1- The control cable of IRP Pump will be supplied by vendor

Reference documents are as below:

The reference documents For Cable OD is abhar and gland size is S.E.M.C manufacture

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type		Description	Route
				FROM	To			Core	Phase	N	E		Source	Field					
1	D03	H-11SWG-A-TR001	11	GCS-11-SWG-001A	GCS-TR-001	1250KVA	3×95	3C	95	-	-	70	M90	M90	79.1	I	Cu/SC/XLPE/SC/SCT/ICWS/Bd/SWA/PVC - N2XSEYRY (MV MULTI-CORE)	Transformer-001 11/42 KV	
2	D03	C-11SWG-A-RCP-01	0.11DC	GCS-11-SWG-001A	RCP	-	12×2.5	12C	2.5	-	-	40	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	From 11KV Switchgear A to RCP	
3	D02	L-NSWGA-TR001-A1	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
4	D02	L-NSWGA-TR001-A2	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
5	D02	L-NSWGA-TR001-A3	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
6	D02	L-NSWGA-TR001-A4	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
7	D02	L-NSWGA-TR001-B1	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
8	D02	L-NSWGA-TR001-B2	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
9	D02	L-NSWGA-TR001-B3	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
10	D02	L-NSWGA-TR001-B4	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
11	D02	L-NSWGA-TR001-C1	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
12	D02	L-NSWGA-TR001-C2	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
13	D02	L-NSWGA-TR001-C3	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
14	D02	L-NSWGA-TR001-C4	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
15	D02	L-NSWGA-TR001-N1	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	-	300	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
16	D02	L-NSWGA-TR001-N2	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	-	300	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 001 to LV Switchgear	
17	D01	C-NSWGA-TR001-1	0.11DC	GCS-400-NSWG-001A	GCS-TR-001	-	12×2.5	12C	2.5	-	-	20	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	Transformer 001 Mechanical Protection	
18	D02	C-NSWGA-TR001-2	-	GCS-400-NSWG-001A	GCS-TR-001	-	3×6	3C	6	-	-	20	M20 A	M20 A	16.8	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	Neutral CT of Transformer 001	
19	D01	C-NSWGA-TR001-3	0.11DC	GCS-400-NSWG-001A	GCS-TR-001	-	12×2.5	12C	2.5	-	-	50	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	Interlock/Intertrip to Upstream	
20	D03	H-11SWGB-TR002	11	GCS-11-SWG-001B	GCS-TR-002	1250KVA	3×95	3C	95	-	-	70	M90	M90	79.1	I	Cu/SC/XLPE/SC/SCT/ICWS/Bd/SWA/PVC - N2XSEYRY (MV MULTI-CORE)	Transformer-002 11/42 KV	
21	D03	C-11SWGB-RCP-02	0.11DC	GCS-11-SWG-001B	RCP	-	12×2.5	12C	2.5	-	-	40	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	From 11KV Switchgear B to RCP	
22	D02	L-NSWGB-TR002-A1	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
23	D02	L-NSWGB-TR002-A2	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
24	D02	L-NSWGB-TR002-A3	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
25	D02	L-NSWGB-TR002-A4	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
26	D02	L-NSWGB-TR002-B1	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
27	D02	L-NSWGB-TR002-B2	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
28	D02	L-NSWGB-TR002-B3	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
29	D02	L-NSWGB-TR002-B4	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
30	D02	L-NSWGB-TR002-C1	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
31	D02	L-NSWGB-TR002-C2	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
32	D02	L-NSWGB-TR002-C3	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
33	D02	L-NSWGB-TR002-C4	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
34	D02	L-NSWGB-TR002-N1	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	-	300	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
35	D02	L-NSWGB-TR002-N2	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	-	300	-	20	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	from Secondary Side of Transformer 002 to LV Switchgear	
36	D01	C-NSWGA-TR002-1	0.11DC	GCS-400-NSWG-001B	GCS-TR-002	-	12×2.5	12C	2.5	-	-	20	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	Transformer 002 Mechanical Protection	
37	D02	C-NSWGA-TR002-2	-	GCS-400-NSWG-001B	GCS-TR-002	-	3×6	3C	6	-	-	20	M20 A	M20 A	16.8	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	Neutral CT of Transformer 002	
38	D01	C-NSWGA-TR002-3	0.11DC	GCS-400-NSWG-001B	GCS-TR-002	-	12×2.5	12C	2.5	-	-	50	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	Interlock/Intertrip to Upstream	
39	D03	H-11SWGB-TR003	11	GCS-11-SWG-001B	GCS-TR-03	800 kVA													

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type		Description	Route
				FROM	To			Core	Phase	N	E		Source	Field					
69	D02	C-MCC2101A-AP2	-	MCC-2101A	Oil Pump	-	2*4	2C	4	-	-	250	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Oil Pump C-2101A	
70	D02	L-MCC2101A-OC	0.4	MCC-2101A	Oil Cooler	5.5	3*10	3C	10	-	-	250	M32	M32 EX	26.7	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Lube Oil Cooler for Gas Compressor C-2101A (AE-2101-OC A)	
71	D03	C-MCC2101A-OC1	0.23	MCC-2101A	IRP (UCP-A)	-	12*2.5	12C	2.5	-	-	10	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-A) for Lube Oil Cooler C-2101A	
72	D02	C-MCC2101A-OC2	-	MCC-2101A	Oil Cooler	-	2*4	2C	4	-	-	250	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Lube Oil Cooler Motor C-2101A	
73	D02	L-MCC2101A-LP	0.4	MCC-2101A	Lubricator Pump	0.55	3*4	3C	4	-	-	250	M20 A	M20 EX	22.6	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Cylinder Lubricator Pump for Gas Compressor C-2101A (M-2101-LP A)	
74	D03	C-MCC2101A-LP1	0.23	MCC-2101A	IRP (UCP-A)	-	12*2.5	12C	2.5	-	-	10	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-A) for Cylinder Lubricator Pump C-2101A	
75	D03	C-MCC2101A-LP2	-	MCC-2101A	Lubricator Pump	-	2*4	2C	4	-	-	250	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Cylinder Lubricator Pump C-2101A	
76	D02	L-MCC2101A-LH	0.23	MCC-2101A	Lubricator Heater	0.4	2*4	2C	4	4	-	250	M20 A	M20 EX	21	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Cylinder Lubricator Oil Heater for Gas Compressor C-2101A	
77	D03	C-MCC2101A-LH	0.23	MCC-2101A	IRP (UCP-A)	-	9*2.5	9C	2.5	-	-	10	M32	M32	29.0	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-A) for Cylinder Lubricator Oil Heater C-2101A	
78	D02	L-MCC2101A-AX	0.4	MCC-2101A	Aux Pump Motor	7.5	3*16	3C	16	-	-	250	M32	M32 EX	28.2	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Aux Pump Motor for Gas Compressor C-2101A (P-2101-AX A)	
79	D03	C-MCC2101A-AX1	0.23	MCC-2101A	IRP (UCP-A)	-	12*2.5	12C	2.5	-	-	10	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-A) for Aux Pump Motor C-2101A	
80	D02	C-MCC2101A-AX2	-	MCC-2101A	Aux Pump Motor	-	2*4	2C	4	-	-	250	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Aux Pump Motor C-2101A	
81	D02	L-MCC2101A-WP	0.4	MCC-2101A	Main Pump Motor	7.5	3*16	3C	16	-	-	250	M32	M32 EX	28.2	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Main Pump Motor for Gas Compressor C-2101A (P-2101-WP A)	
82	D03	C-MCC2101A-WP1	0.23	MCC-2101A	IRP (UCP-A)	-	12*2.5	12C	2.5	-	-	10	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-A) for Main Pump Motor C-2101A	
83	D02	C-MCC2101A-WP2	-	MCC-2101A	Main Pump Motor	-	2*4	2C	4	-	-	250	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Main Pump Motor C-2101A	
84	D02	L-MCC2101A-WH	0.4	MCC-2101A	Electric Heater	12	3*70*35	4C	70	35	-	250	M50	M50 EX	47.9	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Electric Heater for Gas Compressor C-2101A (P-2101-WH A)	
85	D03	C-MCC2101A-WH	0.23	MCC-2101A	IRP (UCP-A)	-	9*2.5	9C	2.5	-	-	10	M32	M32	29.0	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-A) for Electric Heater C-2101A	
86	D02	L-MCC2101A-WC	0.4	MCC-2101A	Water Console	4	3*10	3C	10	-	-	250	M32	M32 EX	26.7	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Water Console Cooler Motor for Gas Compressor C-2101A (AE-2101-WC A)	
87	D03	C-MCC2101A-WC1	0.23	MCC-2101A	IRP (UCP-A)	-	12*2.5	12C	2.5	-	-	10	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-A) for Water Console Cooler Motor C-2101A	
88	D02	C-MCC2101A-WC2	-	MCC-2101A	Water Console	-	2*4	2C	4	-	-	250	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Water Console Cooler Motor for Gas Compressor C-2101A	
89	D03	C-MCC2101A-EHT	0.4	MCC-2101A	Heat Trace A	-	5x25	5C	25	25	25	300	M32	M32	32.1	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Electrcial Heat Trace for Compressor A	HOLD
90	D03	H-11SWGB-C2101-B	11	GCS-11-SWG-001B	C-2101B	1070	3*95	3C	95	-	-	300	M90	M90 EX	87.7	F	Cu/SC/XLPE/SC/SCT/Lsh/Bd/SWA/PVC - N2XSEYKYRY (MV MULTI-CORE WITH LEAD SHEATH)	First & Second Stage Gas Compressor C-2101B	
91	D03	L-11SWGB-SPH-B	0.23	GCS-11-SWG-001B	Space Heater	0.3	3*2.5	3C	2.5	2.5	2.5	300	M20	M20 EX	15.3	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Space Heater for Gas Compressor C-2101B	
92	D03	C-11SWGB-IRP-B	0.11DC	GCS-11-SWG-001B	IRP (UCP-B)	-	12*2.5	12C	2.5	-	-	40	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-B) for Gas Compressor C-2101B	
93	D02	C-11SWGB-IRP-B (ESD)	0.11DC	GCS-11-SWG-001B	IRP-ESD	-	3*2.5	3C	2.5	-	-	20	M20	M20	14.2	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (ESD) for Gas Compressor C-2101B	
94	D03	C-11SWGA-IRP-B (DCS)	0.11DC	GCS-11-SWG-001B	IRP-DCS	-	3*4	3C	4	-	-	40	M20	M20	16.6	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (DCS) for Gas Compressor C-2101B	
95	D02	C-11SWGB-C2101-B	-	GCS-11-SWG-001B	C-2101B	-	5*4	5C	4	4	4	300	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS (Ammeter+stop cammand) for Gas Compressor C-2101B	
96	D02	C-11SWGB-RTD2101-B1	-	UCP-B	C-2101B	-	12*(3*1.5)	3C	1.5	-	-	330	M50	M50 EX	41.0	R	Cu/PVC/OSCR/Bd/LSH/Bd/SWA/PVC (RTD CABLE)	RTD for Gas Compressor C-2101B (From Control Room for Stator)	
97	D02	C-11SWGB-RTD2101-B2	-	UCP-B	C-2101B	-	3*3*1.5	9C	1.5	-	-	0	M32	M32EX				RTD for Gas Compressor C-2101B (From Control Room for bearing)	
98	D02	C-11SWGB-DF2101-B	-	GCS-11-SWG-001B	C-2101B	-	6*6	6C	6	-	-	300	M25	M25 EX	-	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Differential Protection of C-2101B	
99	D03	H-11SWGB-CAP-B	11	GCS-11-SWG-001B	Cap Bank B	530 kvar	3*95	3C	95	-	-	30	M90	M90	79.1	I	Cu/SC/XLPE/SC/SCT/ICWS/Bd/SWA/PVC - N2XSEYRY (MV MULTI-CORE)	Capacitor Bank for Gas Compressor C-2101B	
100	D02	C-11SWGB-CAP-B	0.11DC	GCS-11-SWG-001B	Cap Bank-B	-	7*2.5	7C	2.5	-	-	30	M25	M25	29	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	Control for Capacitor Bank of C-2101B	
101	D03	L-NSWGB-MCC2101B	0.4	GCS-400-NSWG-001B	MCC-2101B	43.9	3*35+16+16	5C	35	16	16.0	25	M40	M40	36.3	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Normal Panel for Gas Compressor C-2101B (Auxiliary)	
102	D02	L-MCC2101B-OH	0.23	MCC-2101B	Oil Heater	1.5	2*16	2C	16	16	-	280	M25	M32 EX	21.2	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Oil Heater for Gas Compressor C-2101B	
103	D03	C-MCC2101B-OH	0.23	MCC-2101B	IRP (UCP-B)	-	9*2.5	9C	2.5	-	-	10	M32	M32	29.0	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-B) for Oil Heater C-2101B	
104	D02	L-MCC2101B-BR	0.4	MCC-2101B	Barring Device Motor	2.2	3*6	3C	6	-	-	280	M25	M25 EX	23.5	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Barring Device Motor for Gas Compressor C-2101B	
105	D03	C-MCC2101B-BR1	0.23	MCC-2101B	IRP (UCP-B)	-	12*2.5	12C	2.5	-	-	10	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-B) for Barring Device Motor C-2101B	
106	D02	C-MCC2101B-BR2	-	MCC-2101B	Barring Device Motor	-	2*4	2C	4	-	-	280	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Barring Device Motor for Gas Compressor C-2101B	
107	D02	L-MCC2101B-AP	0.4	MCC-2101B	Oil Pump	7.5	3*16	3C	16	-	-	280	M32	M32 EX	28.2	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Oil Pump for Gas Compressor C-2101B (P-2	

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type		Description	Route
				FROM	To			Core	Phase	N	E		Source	Field					
137	D02	C-11SWG-C-RTD2101-C2		UCP-C	C-2101C		3*3+1.5	9C	1.5			0	M32	M32-EX				RTD for Gas Compressor C-2101C (From Control Room for Bearing)	
138	D02	C-11SWG-C-2101-C	-	GCS-11-SWG-001C	C-2101C	-	6*6	6C	6	-	-	330	M25	M25 EX	-	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Differential Protection of C-2101C	
139	D03	H-11SWG-A-CAP-C	11	GCS-11-SWG-001A	Cap Bank C	530 kvar	3*95	3C	95	-	-	30	M90	M90	79.1	I	Cu/SC/XP/PE/SC/SC/TC/WS/Bd/SPA/PVC - N2XSEYRY (MV MULTI-CORE)	Capacitor Bank for Gas Compressor C-2101C	
140	D02	C-11SWG-C-CAP-C	0.14DC	GCS-11-SWG-001C	Cap Bank C	-	7*2.5	7C	2.5	-	-	30	M25	M25	20	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	Control for Capacitor Bank of C-2101C	
141	D03	L-NSWGC-MCC2101B	0.4	GCS-400-NSWG-001B	MCC-2101C	43.9	3*35+16+16	5C	35	16	16.0	25	M32	M32	32.1	B	Cu/XLPE/Bd/SPA/PVC - N2XRY (LV MULTI-CORE)	Normal Panel for Gas Compressor C-2101C (Auxiliary)	
142	D02	L-MCC2101C-OH	0.23	MCC-2101C	Oil Heater	1.5	2*16	2C	16	16	-	310	M25	M32 EX	21.2	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Oil Heater for Gas Compressor C-2101C	
143	D03	C-MCC2101C-OH	0.23	MCC-2101C	IRP (UCP-C)	-	9*2.5	9C	2.5	-	-	10	M32	M32	29.0	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-C) for Oil Heater C-2101C	
144	D02	L-MCC2101C-BR	0.4	MCC-2101C	Barring Device Motor	2.2	3*6	3C	6	-	-	310	M25	M25 EX	23.5	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Barring Device Motor for Gas Compressor C-2101C	
145	D03	C-MCC2101C-BR1	0.23	MCC-2101C	IRP (UCP-C)	-	12*2.5	12C	2.5	-	-	10	M25	M25	24.4	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-C) for Barring Device Motor C-2101C	
146	D02	C-MCC2101C-BR2	-	MCC-2101C	Barring Device Motor	-	2*4	2C	4	-	-	310	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Barring Device Motor for Gas Compressor C-2101C	
147	D02	L-MCC2101C-AP	0.4	MCC-2101C	Oil Pump	7.5	3*16	3C	16	-	-	310	M32	M32 EX	28.2	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Oil Pump for Gas Compressor C-2101C (P-2101-AP C)	
148	D03	C-MCC2101C-AP1	0.23	MCC-2101C	IRP (UCP-C)	-	12*2.5	12C	2.5	-	-	10	M25	M25	24.4	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-C) for Oil Pump C-2101C	
149	D02	C-MCC2101C-AP2	-	MCC-2101C	Oil Pump	-	2*4	2C	4	-	-	310	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Oil Pump for Gas Compressor C-2101C	
150	D02	L-MCC2101C-OC	0.4	MCC-2101C	Oil Cooler	5.5	3*10	3C	10	-	-	310	M32	M32 EX	26.7	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Lube Oil Cooler for Gas Compressor C-2101C (AE-2101-OC C)	
151	D03	C-MCC2101C-OC1	0.23	MCC-2101C	IRP (UCP-C)	-	12*2.5	12C	2.5	-	-	10	M25	M25	24.4	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-C) for Lube Oil Cooler C-2101C	
152	D02	C-MCC2101C-OC2	-	MCC-2101C	Oil Cooler	-	2*4	2C	4	-	-	310	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Lube Oil Cooler for Gas Compressor C-2101C	
153	D02	L-MCC2101C-LP	0.4	MCC-2101C	Lubricator Pump	0.55	3*4	3C	4	-	-	310	M25	M25 EX	22.6	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Cylinder Lubricator Pump for Gas Compressor C-2101C (M-2101-LP C)	
154	D03	C-MCC2101C-LP1	0.23	MCC-2101C	IRP (UCP-C)	-	12*2.5	12C	2.5	-	-	10	M25	M25	24.4	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-C) for Cylinder Lubricator Pump C-2101C	
155	D02	C-MCC2101C-LP2	-	MCC-2101C	Lubricator Pump	-	2*4	2C	4	-	-	310	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Cylinder Lubricator for Gas Compressor C-2101C	
156	D02	L-MCC2101C-LH	0.23	MCC-2101C	Lubricator Heater	0.4	2*4	2C	4	4	-	310	M25	M25 EX	21	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Cylinder Lubricator Oil Heater for Gas Compressor C-2101C	
157	D03	C-MCC2101C-LH	0.23	MCC-2101C	IRP (UCP-C)	-	9*2.5	9C	2.5	-	-	10	M32	M32	29.0	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-C) for Cylinder Lubricator Oil Heater C-2101C	
158	D02	L-MCC2101C-AX	0.4	MCC-2101C	Aux Pump Motor	7.5	3*16	3C	16	-	-	310	M32	M32 EX	28.2	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Aux Pump Motor for Gas Compressor C-2101B (P-2101-AX C)	
159	D03	C-MCC2101C-AX1	0.23	MCC-2101C	IRP (UCP-C)	-	12*2.5	12C	2.5	-	-	10	M25	M25	24.4	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-C) for Aux Pump Motor C-2101C	
160	D02	C-MCC2101C-AX2	-	MCC-2101C	Aux Pump Motor	-	2*4	2C	4	-	-	310	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Aux Pump Motor for Gas Compressor C-2101C	
161	D02	L-MCC2101C-WP	0.4	MCC-2101C	Main Pump Motor	7.5	3*16	3C	16	-	-	310	M32	M32 EX	28.2	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Main Pump Motor for Gas Compressor C-2101C (P-2101-WP C)	
162	D03	C-MCC2101C-WP1	0.23	MCC-2101C	IRP (UCP-C)	-	12*2.5	12C	2.5	-	-	10	M25	M25	24.4	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-C) for Main Pump Motor C-2101C	
163	D02	C-MCC2101C-WP2	-	MCC-2101C	Main Pump Motor	-	2*4	2C	4	-	-	310	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Main Pump Motor for Gas Compressor C-2101C	
164	D02	L-MCC2101C-WH	0.4	MCC-2101C	Electric Heater	12	3*70+35	4C	70	35	-	310	M50	M50 EX	47.9	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Electric Heater for Gas Compressor C-2101B (P-2101-WH C)	
165	D03	C-MCC2101C-WH	0.23	MCC-2101C	IRP (UCP-C)	-	9*2.5	9C	2.5	-	-	10	M32	M32	29.0	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-C) for Electric Heater C-2101C	
166	D02	L-MCC2101C-WC	0.4	MCC-2101C	Water Console	4	3*10	3C	10	-	-	310	M32	M32 EX	26.7	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Water Console Cooler Motor for Gas Compressor C-2101C (AE-2101-WC C)	
167	D03	C-MCC2101C-WC1	0.23	MCC-2101C	IRP (UCP-C)	-	12*2.5	12C	2.5	-	-	10	M25	M25	24.4	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP (UCP-C) for Water Console Cooler Motor C-2101C	
168	D02	C-MCC2101C-WC2	-	MCC-2101C	Water Console	-	2*4	2C	4	-	-	310	M25	M25 EX	22.6	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Water Console Cooler Motor for Gas Compressor C-2101C	
169	D03	C-MCC2101C-EHT	0.4	MCC-2101B	Heat Trace C	-	5*25	5C	25	25	25	300	M32	M32	32.1	D	Cu/XLPE/Bd/SPA/PVC - N2XRY (LV MULTI-CORE)	Electrical Heat Trace for Compressor C	HOLD
170	D02	L-NSWGA-AC2121A-1	0.4	GCS-400-NSWG-001A	AC-2121A	5.5	3*10	3C	10	-	-	310	M32	M32 EX	26.7	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	First Stage Air Cooler 2121A	
171	D03	C-NSWGA-AC2121A-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	12*2.5	12C	2.5	-	-	25	M25	M25	24.4	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS for Air Cooler 2121A	
172	D02	C-NSWGA-AC2121A-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3*2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for Air Cooler 2121A	
173	D03	C-NSWGA-AC2121A-03	0.23	GCS-400-NSWG-001A	LCS	-	7*2.5	7C	2.5	-	-	310	M25	M32 EX	25.3	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS for Air Cooler 2121A	
174	D03	C-NSWGA-AC2121A-04	-	GCS-400-NSWG-001A	-	-	2*4	2C	4	-	-	310	M20	M20 EX	16.0	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for for Air Cooler 2121A	
175	D03	L-NSWGA-AC2121A-2	0.4	GCS-400-NSWG-001A	AC-2121A	5.5	3*10	3C	10	-	-	310	M32	M32 EX	26.7	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC		

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type		Description	Route
				FROM	To			Core	Phase	N	E		Source	Field					
205	D03	L-NSWGA-AC2131A-2	0.4	GCS-400-NSWG-001A	AC-2131A	7.5	3×10	3C	10	-	-	310	M32	M32 EX	26.7	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Second Stage Air Cooler 2131A	
206	D03	C-NSWGA-AC2132A-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	12×2.5	12C	2.5	-	-	25	M25	M25	24.4	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS for Air Cooler 2132A	
207	D02	C-NSWGA-AC2132A-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for Air Cooler 2132A	
208	D03	C-NSWGA-AC2132A-03	0.23	GCS-400-NSWG-001A	LCS	-	7×2.5	7C	2.5	-	-	310	M25	M32 EX	25.3	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS for Air Cooler 2132A	
209	D03	C-NSWGA-AC2132A-04	-	GCS-400-NSWG-001A	-	-	2×4	2C	4	-	-	310	M20	M20 EX	16.0	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Air Cooler 2132A	
210	D02	L-NSWGB-AC2131B-1	0.4	GCS-400-NSWG-001B	AC-2131B	7.5	3×10	3C	10	-	-	340	M32	M32 EX	26.7	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Second Stage Air Cooler 2132A	
211	D03	C-NSWGB-AC2131B-01	0.23	GCS-400-NSWG-001B	IRP-DCS	-	12×2.5	12C	2.5	-	-	25	M25	M25	24.4	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS for Air Cooler 2132A	
212	D02	C-NSWGB-AC2131B-02	0.23	GCS-400-NSWG-001B	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for Air Cooler 2132A	
213	D03	C-NSWGB-AC2131B-03	0.23	GCS-400-NSWG-001B	LCS	-	7×2.5	7C	2.5	-	-	340	M25	M32 EX	25.3	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS for Air Cooler 2132A	
214	D03	C-NSWGA-AC2131B-04	-	GCS-400-NSWG-001B	-	-	2×4	2C	4	-	-	310	M20	M20 EX	16.0	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Air Cooler 2131B	
215	D02	L-NSWGB-AC2131B-2	0.4	GCS-400-NSWG-001B	AC-2131B	7.5	3×10	3C	10	-	-	340	M32	M32 EX	26.7	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Second Stage Air Cooler 2131B	
216	D03	C-NSWGB-AC2132B-01	0.23	GCS-400-NSWG-001B	IRP-DCS	-	12×2.5	12C	2.5	-	-	25	M25	M25	24.4	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS for Air Cooler 2132A	
217	D02	C-NSWGB-AC2132B-02	0.23	GCS-400-NSWG-001B	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for Air Cooler 2132A	
218	D03	C-NSWGB-AC2132B-03	0.23	GCS-400-NSWG-001B	LCS	-	7×2.5	7C	2.5	-	-	340	M25	M32 EX	25.3	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS for Air Cooler 2132A	
219	D03	C-NSWGA-AC2132B-04	0.23	GCS-400-NSWG-001B	-	-	2×4	2C	2.5	-	-	310	M20	M20 EX	16.0	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Air Cooler 2132B	
220	D02	L-NSWGA-AC2131C-1	0.4	GCS-400-NSWG-001A	AC-2131C	7.5	3×10	3C	10	-	-	370	M32	M32 EX	26.7	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Second Stage Air Cooler 2131C	
221	D03	C-NSWGA-AC2131C-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	12×2.5	12C	2.5	-	-	25	M25	M25	24.4	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS for Air Cooler 2131C	
222	D02	C-NSWGA-AC2131C-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for Air Cooler 2131C	
223	D03	C-NSWGA-AC2131C-03	0.23	GCS-400-NSWG-001A	LCS	-	7×2.5	7C	2.5	-	-	370	M25	M32 EX	25.3	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS for Air Cooler 2131C	
224	D03	C-NSWGA-AC2131C-04	-	GCS-400-NSWG-001A	-	-	2×4	2C	4	-	-	310	M20	M20 EX	16.0	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Air Cooler 2131C	
225	D03	L-NSWGA-AC2131C-2	0.4	GCS-400-NSWG-001A	AC-2131C	7.5	3×10	3C	10	-	-	370	M32	M32 EX	26.7	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Second Stage Air Cooler 2131C	
226	D03	C-NSWGA-AC2132C-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	12×2.5	12C	2.5	-	-	25	M25	M25	24.4	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS for Air Cooler 2132C	
227	D02	C-NSWGA-AC2132C-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for Air Cooler 2132C	
228	D03	C-NSWGA-AC2132C-03	0.23	GCS-400-NSWG-001A	LCS	-	7×2.5	7C	2.5	-	-	370	M25	M32 EX	25.3	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS for Air Cooler 2132C	
229	D03	C-NSWGA-AC2132C-04	-	GCS-400-NSWG-001A	-	-	2×4	2C	4	-	-	310	M20	M20 EX	16.0	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	Ammeter for Air Cooler 2132C	
230	D02	L-NSWGE-PK2203A1	0.4	GCS-400-NSWG-001E	PK-C-2203A	80	3×120×70	4C	120	70	-	270	M63	M63 EX	59.3	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Instrument & Plant Air Package A	
231	D02	L-NSWGE-PK2203A2	0.4	GCS-400-NSWG-001E	PK-C-2203A	80	3×120×70	4C	120	70	-	270	M63	M63 EX	59.3	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Instrument & Plant Air Package A	
232	D02	L-NSWGE-PK2203B1	0.4	GCS-400-NSWG-001E	PK-C-2203B	80	3×120×70	4C	120	70	-	270	M63	M63 EX	59.3	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Instrument & Plant Air Package B	
233	D02	L-NSWGE-PK2203B2	0.4	GCS-400-NSWG-001E	PK-C-2203B	80	3×120×70	4C	120	70	-	270	M63	M63 EX	59.3	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Instrument & Plant Air Package B	
234	D03	L-NSWGA-PK2204-1	0.4	GCS-400-NSWG-001A	PK-2204	75	3×120×70	4C	120	70	-	280	M50	M50	51.9	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Nitrogen Package	
235	D03	L-NSWGA-PK2204-2	0.4	GCS-400-NSWG-001A	PK-2204	75	3×120×70	4C	120	70	-	280	M50	M50	51.9	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Nitrogen Package	
236	D02	L-NSWGA-PK2201	0.4	GCS-400-NSWG-001A	PK-2201	30	3×120×70	4C	120	70	-	HOLD	M63	M63	59.3	Z	CUMGTXLPELSFOHLSFOH	LP Flare Package	
237	D02	L-NSWGB-PK2207	0.4	GCS-400-NSWG-001B	PK-2207	1.85	4×16	4C	16	16	-	250	M32	M32 EX	28.1	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Corrosion Inhibitor Package (Chemical Package)	
238	D03	L-NSWGB-PK2101	0.4	GCS-400-NSWG-001B	PK-2101	4.4	4×25	4C	25	25	-	320	M63	M63 EX	53.8	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Dehydration Package	
239	D01	L-PK2101-P100A	0.4	PK-2101	P-100A	2.2	3×6	3C	6	-	-	330	M25	M25 EX	23.5	A	Cu/XLPE/Bd/Lsh/Bd/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Lean Teg Circulation Pump A	
240	D03	C-PK2101-P100A1	0.23	PK-2101	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M32	M32	33.0	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS for Lean Teg Circulation Pump A	
241	D02	C-PK2101-P100A2	0.23	PK-2101	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SPA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for Lean Teg Circulation Pump A	
242	D01	C-PK2101-P100A3	0.23	PK-2101	LCS	-	10×2.5	10C	2.5	-	-	330	M32	M32 EX	29.0	D	Cu/PVC/Bd/Lsh/Bd/SPA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS for Lean Teg Circulation Pump A	
24																			

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type		Description	Route
				FROM	To			Core	Phase	N	E		Source	Field					
273	D02	C-NSWGE-P-2101B-02	0.23	GCS-400-NSWG-001E	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for Slug Pump B	
274	D03	C-NSWGE-P-2101B-03	0.23	GCS-400-NSWG-001E	LCS	-	7×2.5	7C	2.5	-	-	210	M25	M32 EX	25.3	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS for Slug Pump B	
275	D03	L-NSWGE-P-2302A	0.4	GCS-400-NSWG-001E	P-2302A	18.5	3×35	3C	35	-	-	215	M25	M25	28.6	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Fire Water Jockey Pump A Panel	
276	D02	C-NSWGE-P-2302A	0.23	GCS-400-NSWG-001E	LCS	-	2×4	2C	4	-	-	215	M20 A	M20 A	16.6	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Ammeter for Fire Water Jockey Pump A	
277	D02	L-NSWGE-P-2302B	0.4	GCS-400-NSWG-001E	P-2302B	18.5	3×35	3C	35	-	-	215	M25	M25	26.4	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Fire Water Jockey Pump B Panel	
278	D02	C-NSWGE-P-2302B	0.23	GCS-400-NSWG-001E	LCS	-	3×4	3C	4	4	4	215	M20 A	M20 A	16.6	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	LCS for Fire Water Jockey Pump B	
279	D02	L-NSWGB-P-2209	0.4	GCS-400-NSWG-001B	P-2209	3	3×4	3C	4	-	-	90	M20 A	M20 A	16.6	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Potable Water Pump	
280	D03	C-NSWGE-P-P-2209	0.23	GCS-400-NSWG-001E	P-2209	-	2×4	2C	4	-	-	410	M20	M20 EX	16.0	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	AMMETER for P-2209	
281	D03	C-NSWGB-P-2209-01	0.23	GCS-400-NSWG-001B	IRP-DCS	-	14×2.5	14C	2.5	-	-	25	M25	M25	26.1	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS for Potable Water Pump	
282	D02	C-NSWGB-P-2209-02	0.23	GCS-400-NSWG-001B	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for Potable Water Pump	
283	D02	C-NSWGB-P-2209-03	0.23	GCS-400-NSWG-001B	LCS	-	7×2.5	7C	2.5	-	-	90	M25	M25	20	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	LCS for Potable Water Pump	
284	D03	L-NSWGB-P-2206	0.4	GCS-400-NSWG-001E	P-2206	1.5	3×4	3C	4	-	-	215	M20 A	M20 A	16.6	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Diesel Oil Pump	
285	D02	L-NSWGE-IG-2201	0.23	GCS-400-NSWG-001E	IG-2201	1	5×10	5C	10	10	10	HOLD	M25	M25	22.3	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	LP Flare Ignition Package	HOLD
286	D02	L-NSWGE-P-2201A	0.4	GCS-400-NSWG-001E	P-2201A	1.1	3×10	3C	10	-	-	420	M20	M20 EX	20.7	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	LP Flare K.O. Drum Pump A	
287	D03	C-NSWGE-P-2201A-01	0.23	GCS-400-NSWG-001E	IRP-DCS	-	14×2.5	14C	2.5	-	-	25	M25	M25	26.1	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS for LP Flare K.O. Drum Pump A	
288	D02	C-NSWGE-P-2201A-02	0.23	GCS-400-NSWG-001E	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for LP Flare K.O. Drum Pump A	
289	D03	C-NSWGE-P-2201A-03	0.23	GCS-400-NSWG-001E	LCS	-	7×2.5	7C	2.5	-	-	420	M25	M32 EX	25.3	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS for LP Flare K.O. Drum Pump A	
290	D02	L-NSWGE-P-2201B	0.4	GCS-400-NSWG-001E	P-2201B	1.1	3×10	3C	10	-	-	420	M20	M20 EX	20.7	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	LP Flare K.O. Drum Pump B	
291	D03	C-NSWGE-P-2201B-01	0.23	GCS-400-NSWG-001E	IRP-DCS	-	14×2.5	14C	2.5	-	-	25	M25	M25	26.1	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS for LP Flare K.O. Drum Pump B	
292	D02	C-NSWGE-P-2201B-02	0.23	GCS-400-NSWG-001E	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for LP Flare K.O. Drum Pump B	
293	D03	C-NSWGE-P-2201B-03	0.23	GCS-400-NSWG-001E	LCS	-	7×2.5	7C	2.5	-	-	420	M25	M32 EX	25.3	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS for LP Flare K.O. Drum Pump B	
294	D02	L-NSWGA-P-2103A	0.4	GCS-400-NSWG-001A	P-2103A	5.5	3×16	3C	16	-	-	370	M25	M25 EX	22.2	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Glycol Transfer Pump A	
295	D03	C-NSWGE-P-2103A-04	0.23	GCS-400-NSWG-001E	P-2103A	-	2×4	2C	4	-	-	410	M20	M20 EX	16.0	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	AMMETER for 2103A	
296	D03	C-NSWGA-P-2103A-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	14×2.5	14C	2.5	-	-	25	M25	M25	26.1	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS for Glycol Transfer Pump A	
297	D02	C-NSWGA-P-2103A-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for Glycol Transfer Pump A	
298	D03	C-NSWGA-P-2103A-03	0.23	GCS-400-NSWG-001A	LCS	-	7×2.5	7C	2.5	-	-	370	M25	M32 EX	25.3	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS for Glycol Transfer Pump A	
299	D02	L-NSWGB-P-2103B	0.4	GCS-400-NSWG-001B	P-2103B	5.5	3×16	3C	16	-	-	370	M25	M25 EX	22.2	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Glycol Transfer Pump B	
300	D03	C-NSWGE-P-2103B-04	0.23	GCS-400-NSWG-001E	P-2103B	-	2×4	2C	4	-	-	410	M20	M20 EX	16.0	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	AMMETER for P-2103B	
301	D03	C-NSWGB-P-2103B-02	0.23	GCS-400-NSWG-001B	IRP-DCS	-	14×2.5	14C	2.5	-	-	25	M25	M25	26.1	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS for Glycol Transfer Pump B	
302	D02	C-NSWGA-2103B-04	0.23	GCS-400-NSWG-001B	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for Glycol Transfer Pump B	
303	D03	C-NSWGB-P-2103B-03	0.23	GCS-400-NSWG-001B	LCS	-	7×2.5	7C	2.5	-	-	370	M25	M25 EX	25.3	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS for Glycol Transfer Pump B	
304	D02	L-NSWGB-P-2102	0.4	GCS-400-NSWG-001B	P-2102	1.1	3×10	3C	10	-	-	340	M20	M20 EX	20.7	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Glycol Manual Pump	
305	D03	C-NSWGB-P-2102-02	0.23	GCS-400-NSWG-001B	IRP-DCS	-	14×2.5	14C	2.5	-	-	25	M25	M25	26.1	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS & ESD for Glycol Manual Pump	
306	D02	C-NSWGA-2102-04	0.23	GCS-400-NSWG-001B	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for Glycol Manual Pump	
307	D03	C-NSWGB-P-2102-03	0.23	GCS-400-NSWG-001B	LCS	-	7×2.5	7C	2.5	-	-	340	M25	M32 EX	29.0	D	Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)	LCS for Glycol Manual Pump	
308	D02	L-NSWGB-P-2104	0.4	GCS-400-NSWG-001B	P-2104	3	3×10	3C	10	-	-	400	M20	M20 EX	20.7	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	Glycol Drain Pump	
309	D03	C-NSWGE-P-2104-01	0.23	GCS-400-NSWG-001B	P-2104	-	2×4	2C	4	-	-	410	M20	M20 EX	16.0	A	Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)	AMMETER for P-2209	
310	D03	C-NSWGB-P-2104-02	0.23	GCS-400-NSWG-001B	IRP-DCS	-	14×2.5	14C	2.5	-	-	25	M25	M25	26.1	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-DCS & ESD for Glycol Drain Pump	
311	D02	C-NSWGA-P-2104-04	0.23	GCS-400-NSWG-001B	IRP-ESD	-	3×2.5	3C	2.5	2.5	2.5	20	M20	M20	14.2	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	IRP-ESD for Glycol Manual Pump	

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type		Description	Route
				FROM	To			Core	Phase	N	E		Source	Field					
337	D03	L-110CH-FB1-BAT1-1	0.11DC	110-Fuse Box 1	110-Battery Bank 1	-	1×50	1C	50	-	-	20	M20	M20	20.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	DC Charger Battery Bank 1 (POSITIVE)-Single core flexible cable with copper conductor & PVC insulation.	
338	D03	L-110CH-FB1-BAT1-2	0.11DC	110-Fuse Box 1	110-Battery Bank 1	-	1×50	1C	50	-	-	20	M20	M20	20.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	DC Charger Battery Bank 1 (NEGATIVE)-Single core flexible cable with copper conductor & PVC insulation.	
339	D03	L-NSWGE-110-CHG002	0.4	GCS-400-NSWG-001E	GCS-110-CHG-002	20	4×16	4C	16	16	-	30	M25	M25	24.5	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	110VDC Charger INCOMING 2	
340	D03	L-110-CHG002-FB2-1	0.11DC	GCS-110-CHG-002	110-Fuse Box 2	7.5	1×50	1C	50	-	-	20	M20	M20	20.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	110VDC Charger Fuse Box 2 (POSITIVE)	
341	D03	L-110-CHG002-FB2-2	0.11DC	GCS-110-CHG-002	110-Fuse Box 2	-	1×50	1C	50	-	-	20	M20	M20	20.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	110VDC Charger Fuse Box 2 (NEGATIVE)	
342	D03	L-110CH-FB2-BAT2-1	0.11DC	110-Fuse Box 2	110-Battery Bank 2	-	1×50	1C	50	-	-	20	M20	M20	20.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	110VDC Charger Battery Bank 2 (POSITIVE)	
343	D03	L-110CH-FB2-BAT2-2	0.11DC	110-Fuse Box 2	110-Battery Bank 2	-	1×50	1C	50	-	-	20	M20	M20	20.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	110VDC Charger Battery Bank 2 (NEGATIVE)	
344	D01	L-110CH-F03	0.11DC	GCS-110-CHG-F03	11 KV Existing Switchgear A	0.7	2×6	2C	6	-	-	15	M20 A	M20 A	16.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 11 KV Existing Switchgear A	
345	D01	L-110CH-F04	0.11DC	GCS-110-CHG-F04	11 KV Existing Switchgear B	0.7	2×6	2C	6	-	-	15	M20 A	M20 A	16.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 11 KV Existing Switchgear B	
346	D01	L-110CH-F05	0.11DC	GCS-110-CHG-F05	3.3 KV New Switchgear	0.7	2×6	2C	6	-	-	15	M20 A	M20 A	16.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 3.3 KV New Switchgear	
347	D01	L-110CH-F06	0.11DC	GCS-110-CHG-F06	0.4 KV New Existing Switchgear A	0.75	2×6	2C	6	-	-	15	M20 A	M20 A	16.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 0.4 KV New 0.4 KV Existing Switchgear A & Coupler	
348	D01	L-110CH-F07	0.11DC	GCS-110-CHG-F07	0.4 KV New Existing Switchgear B	0.75	2×6	2C	6	-	-	15	M20 A	M20 A	16.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 0.4 KV New 0.4 KV Existing Switchgear B	
349	D01	L-110CH-F08	0.11DC	GCS-110-CHG-F08	0.4 KV New Existing Switchgear E	0.75	2×6	2C	6	-	-	15	M20 A	M20 A	16.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 0.4 KV New 0.4 KV Existing Switchgear E	
350	D01	L-110CH-F09	0.11DC	GCS-110-CHG-F09	0.4 KV New Switchgear A	0.75	2×6	2C	6	-	-	15	M20 A	M20 A	16.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 0.4 KV New Switchgear A & Coupler	
351	D01	L-110CH-F10	0.11DC	GCS-110-CHG-F10	0.4 KV New Switchgear B	0.75	2×6	2C	6	-	-	15	M20 A	M20 A	16.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 0.4 KV New Switchgear B	
352	D01	L-110CH-F11	0.11DC	GCS-110-CHG-F11	0.4 KV New Switchgear E	0.7	2×6	2C	6	-	-	15	M20 A	M20 A	16.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 0.4 KV New Switchgear E	
353	D01	L-110CH-F12	0.11DC	GCS-110-CHG-F12	RCP	0.7	2×6	2C	6	-	-	40	M20 A	M20 A	16.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To RCP	
354	D03	L-NSWGA-24-CHG001	0.4	GCS-400-NSWG-001A	GCS-24-CHG-001	16.2	4X16	4C	16	16	-	50	M25	M25	24.5	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	24VDC Charger INCOMING 1	
355	D03	L-24-CHG001-FB1-1	0.024DC	GCS-24-CHG-001	24-Fuse Box 1	5.55	1x185	1C	185	-	-	20	M50	M50	50.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	24VDC Charger Fuse Box 1 (POSITIVE) (Single core flexible cable with copper conductor & PVC insulation.)	
356	D03	L-24-CHG001-FB1-2	0.024DC	GCS-24-CHG-001	24-Fuse Box 1	-	1x185	1C	185	-	-	20	M50	M50	50.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	24VDC Charger Fuse Box 1 (NEGATIVE)-Single core flexible cable with copper conductor & PVC insulation.	
357	D03	L-24-FB1-BAT1-1	0.024DC	24-Fuse Box 1	24-Battery Bank 1	5.55	1x185	1C	185	-	-	15	M50	M50	50.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	24VDC Charger Battery Bank 1 (POSITIVE) (Single core flexible cable with copper conductor & PVC insulation.)	
358	D03	L-24-FB1-BAT1-2	0.024DC	24-Fuse Box 1	24-Battery Bank 1	-	1x185	1C	185	-	-	15	M50	M50	50.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	24VDC Charger Battery Bank 1 (NEGATIVE)-Single core flexible cable with copper conductor & PVC insulation.	
359	D03	L-NSWGE-24-CHG002	0.4	GCS-400-NSWG-001E	GCS-24-CHG-002	16.2	4X16	4C	16	16	-	60	M50	M50	45.5	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	24VDC Charger INCOMING 2	
360	D03	L-24-CHG002-FB2-1	0.024DC	GCS-24-CHG-002	24-Fuse Box 2	5.55	1x185	1C	185	-	-	20	M50	M50	50.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	24VDC Charger Fuse Box 2 (POSITIVE) (Single core flexible cable with copper conductor & PVC insulation.)	
361	D03	L-24-CHG002-FB2-2	0.024DC	GCS-24-CHG-002	24-Fuse Box 2	-	1x185	1C	185	-	-	20	M50	M50	50.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	24VDC Charger Fuse Box 2 (NEGATIVE)-Single core flexible cable with copper conductor & PVC insulation.	
362	D03	L-24-FB2-BAT2-1	0.024DC	24-Fuse Box 2	24-Battery Bank 2	5.55	1x185	1C	185	-	-	15	M50	M50	50.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	24VDC Charger Battery Bank 2 (POSITIVE) (Single core flexible cable with copper conductor & PVC insulation.)	
363	D03	L-24-FB2-BAT2-2	0.024DC	24-Fuse Box 2	24-Battery Bank 2	-	1x185	1C	185	-	-	15	M50	M50	50.5	B	Cu/PVC/Bd/SWB/PVC - NYRY (LV SINGLE-CORE) CLASS 5	24VDC Charger Battery Bank 2 (NEGATIVE)-Single core flexible cable with copper conductor & PVC insulation.	
364	D01	L-24CH-F03	0.024DC	GCS-24-CHG-F03	F&G System Panel	2.7	2×95	2C	95	-	-	20	M40	M40	37.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	F&G System Panel	
365	D01	L-24CH-F04	0.024DC	GCS-24-CHG-F04	F&G System Panel	2.7	2×95	2C	95	-	-	20	M40	M40	37.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	F&G System Panel (Redundant)	
366	D01	L-24CH-F05	0.024DC	GCS-24-CHG-F05	F&G Marshaling Panel 1	2.7	2×95	2C	95	-	-	20	M40	M40	37.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	F&G Marshaling Panel 1	
367	D01	L-24CH-F06	0.024DC	GCS-24-CHG-F06	F&G Marshaling Panel 1	2.7	2×95	2C	95	-	-	20	M40	M40	37.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	F&G System Panel 1 (Redundant)	
368	D01	L-24CH-F07	0.024DC	GCS-24-CHG-F07	F&G Marshaling Panel 2	2.7	2×95	2C	95	-	-	20	M40	M40	37.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	F&G Marshaling Panel 2	
369	D01	L-24CH-F08	0.024DC	GCS-24-CHG-F08	F&G Marshaling Panel 2	2.7	2×95	2C	95	-	-	20	M40	M40	37.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	F&G System Panel 2 (Redundant)	
370	D01	L-24CH-F09	0.024DC	GCS-24-CHG-F09	FACP	0.9	2×50	2C	50	-	-	30	M32	M32	30.2	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	FACP	
371	D01	L-24CH-F10	0.024DC	GCS-24-CHG-F10	FACP	0.9	2×50	2C	50	-	-	30	M32	M32	30.2	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	FACP (Redundant)	
372	D01	L-24CH-F11	0.024DC	GCS-24-CHG-F09	FACP DETECTORS	0.9	2×50	2C	50	-	-	30	M32	M32	30.2	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	FACP DETECTORS	
373	D01	L-24CH-F12	0.024DC	GCS-24-CHG-F10	FACP DETECTORS	0.9	2×50	2C	50	-	-	30	M32	M32	30.2	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	FACP DETECTORS (Redundant)	
374	D01	L-24CH-F13	0.024DC	GCS-24-CHG-F11	Fire Protection	0.8	2×120	2C	120	-	-	80	M50	M50	41	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Fire Protection & Total Flooding System UCP	
375	D01	L-24CH-F14	0.024DC	GCS-24-CHG-F12	Fire Protection	0.8	2×120	2C	120	-	-	80	M50	M50	41	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Fire Protection & Total Flooding System UCP (Redundant)	
376	D03	L-NSWGB-110-UPS001	0.4	GCS-400-NSWG-001B	GCS-110-UPS-001	43.41	3×70+35	4C	70	35	-	45	M40	M40	41.6	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	110VAC UPS INCOMING 1	
377	D03	L-110-UPS001-FB1-1	0.11DC	GCS-110-UPS-001	110-Fuse Box 1	25	1×150	1C	150	-	-	15	M50	M50	44.7	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	UPS Fuse Box 1 (POSITIVE) (Single core flexible cable with copper conductor & PVC insulation.)	
378	D03	L-110-UPS001-FB1-2	0.11DC	GCS-110-UPS-001	110-Fuse Box 1	-	1×150	1C	150	-	-	15	M50	M50	44.7	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	UPS Fuse Box 1 (NEGATIVE)-Single core flexible cable with copper conductor & PVC insulation.	
379	D03	L-110UPS-FB1-BAT1-1	0.11DC	110-Fuse Box 1	110-Battery Bank 1	25	1×150	1C	150	-	-	15	M50	M50	44.7	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	UPS Battery Bank 1 (POSITIVE) (Single core flexible cable with copper conductor & PVC insulation.)	
380	D03	L-110UPS-FB1-BAT1-2	0.11DC	110-Fuse Box 1	110-Battery Bank 1	-	1×150	1C	150	-	-	15	M50	M50	44.7	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	UPS Battery Bank 1 (NEGATIVE)-Single core flexible cable with copper conductor & PVC insulation.	
381	D03	L-NSWGA-110-UPS002	0.4	GCS-400-NSWG-001E	GCS-110-UPS-002	43.41	3×70+35	4C	70	35	-	55	M40	M40	41.6	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	110VAC UPS INCOMING 2	
382	D03	L-110-UPS002-FB2-1	0.11DC	GCS-110-UPS-001	110-Fuse Box 2	25	1×150	1C	150	-	-	15	M50	M50	44.7	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	UPS Fuse Box 2 (POSITIVE) (Single core flexible cable with copper conductor & PVC insulation.)	
383	D03	L-110-UPS002-FB2-2	0.11DC	GCS-110-UPS-001	110-Fuse Box 2	-	1×150	1C	150	-	-	15	M50	M50	44.7	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	UPS Fuse Box 2 (NEGATIVE)-Single core flexible cable with copper conductor & PVC insulation.	
384	D03	L-110UPS-FB2-BAT2-1	0.11DC	110-Fuse Box 2	110-Battery Bank 2	25	1×150	1C	150	-	-	15	M50	M50	44.7	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	UPS Battery Bank 2 (POSITIVE) (Single core flexible cable with copper conductor & PVC insulation.)	
385	D03	L-110UPS-FB2-BAT2-2	0.11DC	110-Fuse Box 2	110-Battery Bank 2	-	1×150	1C	150	-	-	15	M50	M50	44.7	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	UPS Battery Bank 2 (NEGATIVE)-Single core flexible cable with copper conductor & PVC insulation.	
386	D02	L-NSWGE-UPS-Bypass	0.4	GCS-400-NSWG-001E	GCS-110-UPS-Bypass	43.41	3×70+35	4C	70	35	-	55	M40	M40	41.6	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	110VAC UPS By Pass	
387	D01	L-110UPS-F03	0.11AC	GCS-110-UPS-F03	DCS System Panel	0.04	3×2.5	3C	2.5	2.5	2.5	12	M20 A	M20 A	15.3	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 110/24 VDC Power Supply	
388	D01	L-110UPS-F04	0.11AC	GCS-110-UPS-F04	DCS System Panel	0.04	3×2.5	3C	2.5	2.5	2.5	12	M20 A	M20 A	15.3	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 110/24 VDC Power Supply (Redundant)	
389	D01	L-110UPS-F05	0.11AC	GCS-110-UPS-F05	DCS MARSHALLING PANEL	0.04	3×2.5	3C	2.5	2.5	2.5	12	M20 A	M20 A	15.3	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To Power Supply for CPUs	
390	D01	L-110UPS-F06	0.11AC	GCS-110-UPS-F06	DCS MARSHALLING PANEL	0.04	3×2.5	3C	2.5	2.5	2.5	12	M20 A	M20 A	15.3	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To Power Supply for CPUs (Redundant)	
391	D01	L-110UPS-F07	0.11AC	GCS-110-UPS-F07	DCS MARSHALLING PANEL	0.04	3×2.5	3C	2.5	2.5	2.5	12	M20 A	M20 A	15.3	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To Power Supply for CPUs (Redundant)	
392	D01	L-110UPS-F08	0.11AC	GCS-110-UPS-F08	SERVER/ NETWORK	0.9	3×2.5	3C	2.5	2.5	2.5	12	M20 A	M20 A	15.3	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 110/24 VDC Power Supply	
393	D01	L-110UPS-F09	0.11AC	GCS-110-UPS-F09	SERVER/ NETWORK	0.9	3×2.5	3C	2.5	2.5	2.5	12	M20 A	M20 A	15.3	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 110/24 VDC Power Supply (Redundant)	
394	D01	L-110UPS-F10	0.11AC	GCS-110-UPS-F10	ESD System Panel	0.7	3×2.5	3C	2.5	2.5	2.5	15	M20 A	M20 A	15.3	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To Power Supply for CPUs	
395	D01	L-110UPS-F11	0.11AC	GCS-110-UPS-F11	ESD System Panel	0.7	3×2.5	3C	2.5	2.5	2.5	15	M20 A	M20 A	15.3	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To Power Supply for CPUs (Redundant)	

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type		Description	Route
				FROM	To			Core	Phase	N	E		Source	Field					
396	D01	L-110UPS-F12	0.11AC	GCS-110-UPS-F12	ESD Marshaling Panel	0.58	3×2.5	3C	2.5	2.5	2.5	15	M20 A	M20 A	15.3	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 110/24 VDC Power Supply
397	D01	L-110UPS-F13	0.11AC	GCS-110-UPS-F13	ESD Marshaling Panel	0.58	3×2.5	3C	2.5	2.5	2.5	15	M20 A	M20 A	15.3	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 110/24 VDC Power Supply (Redundant)
398	D01	L-110UPS-F14	0.11AC	GCS-110-UPS-F14	SERVER/ NETWORK	0.78	3×2.5	3C	2.5	2.5	2.5	15	M20 A	M20 A	15.3	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 110/24 VDC Power Supply
399	D01	L-110UPS-F15	0.11AC	GCS-110-UPS-F15	SERVER/ NETWORK	0.78	3×2.5	3C	2.5	2.5	2.5	15	M20 A	M20 A	15.3	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To 110/24 VDC Power Supply (Redundant)
400	D01	L-110UPS-F16	0.11AC	GCS-110-UPS-F16	Elecro Gas Compressor UCP A	1.5	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Elecro Gas Compressor UCP A System & Marshaling
401	D01	L-110UPS-F17	0.11AC	GCS-110-UPS-F17	Elecro Gas Compressor UCP A	1.5	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Elecro Gas Compressor UCP A System & Marshaling (Redundant)
402	D01	L-110UPS-F18	0.11AC	GCS-110-UPS-F18	Elecro Gas Compressor UCP B	1.5	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Elecro Gas Compressor UCP B System & Marshaling
403	D01	L-110UPS-F19	0.11AC	GCS-110-UPS-F19	Elecro Gas Compressor UCP B	1.5	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Elecro Gas Compressor UCP B System & Marshaling (Redundant)
404	D01	L-110UPS-F20	0.11AC	GCS-110-UPS-F20	Elecro Gas Compressor UCP C	1.5	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Elecro Gas Compressor UCP C System & Marshaling
405	D01	L-110UPS-F21	0.11AC	GCS-110-UPS-F21	Elecro Gas Compressor UCP C	1.5	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Elecro Gas Compressor UCP C System & Marshaling (Redundant)
406	D01	L-110UPS-F22	0.11AC	GCS-110-UPS-F22	Dehydration Package A (UCP/BMS)	3	3×10	3C	10	10	10	35	M25	M25	20.7	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Dehydration Package A LCP/Analyzer/BMS
407	D01	L-110UPS-F23	0.11AC	GCS-110-UPS-F23	Dehydration Package A (UCP/BMS)	3	3×10	3C	10	10	10	35	M25	M25	20.7	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Dehydration Package A LCP/Analyzer/BMS (Redundant)
408	D01	L-110UPS-F24	0.11AC	GCS-110-UPS-F24	Dehydration Package B (UCP/BMS)	3	3×10	3C	10	10	10	35	M25	M25	20.7	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Dehydration Package B LCP/Analyzer/BMS
409	D01	L-110UPS-F25	0.11AC	GCS-110-UPS-F25	Dehydration Package B (UCP/BMS)	3	3×10	3C	10	10	10	35	M25	M25	20.7	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Dehydration Package B LCP/Analyzer/BMS (Redundant)
410	D01	L-110UPS-F26	0.11AC	GCS-110-UPS-F26	Paging System	1	3×4	3C	4	4	4	35	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To Paging System
411	D04	L-110UPS-F27	0.11AC	GCS-110-UPS-F27	Paging System	1	3×4	3C	4	4	4	35	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To Paging System (Redundant)
412	D01	L-110UPS-F27	0.11AC	GCS-110-UPS-F27	Air Compressor A	2	3×4	3C	4	4	4	15	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Air Compressor Local UCP A
413	D01	L-110UPS-F28	0.11AC	GCS-110-UPS-F28	Air Compressor A	2	3×4	3C	4	4	4	15	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Air Compressor Local UCP A (Redundant)
414	D01	L-110UPS-F29	0.11AC	GCS-110-UPS-F29	Air Compressor B	2	3×4	3C	4	4	4	15	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Air Compressor Local UCP B
415	D01	L-110UPS-F30	0.11AC	GCS-110-UPS-F30	Air Compressor B	2	3×4	3C	4	4	4	15	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Air Compressor Local UCP B (Redundant)
416	D02	L-110UPS-F31	0.11AC	GCS-110-UPS-F31	Air Drayer A	1.6	3×50+25+25	5C	50	25	25	300	M40	M40	36.3	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Air Drayer A Local LCP
417	D02	L-110UPS-F32	0.11AC	GCS-110-UPS-F32	Air Drayer A	1.6	3×50+25+25	5C	50	25	25	300	M40	M40	36.3	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Air Drayer A Local LCP (Redundant)
418	D02	L-110UPS-F33	0.11AC	GCS-110-UPS-F33	Air Drayer B	1.6	3×50+25+25	5C	50	25	25	300	M40	M40	36.3	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Air Drayer B Local LCP
419	D02	L-110UPS-F34	0.11AC	GCS-110-UPS-F34	Air Drayer B	1.6	3×50+25+25	5C	50	25	25	300	M40	M40	36.3	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Air Drayer B Local LCP (Redundant)
420	D01	L-110UPS-F33	0.11AC	GCS-110-UPS-F33	Nitrogen Package	1	3×4	3C	4	4	4	15	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Nitrogen Package Local UCP A/B
421	D01	L-110UPS-F34	0.11AC	GCS-110-UPS-F34	Nitrogen Package	1	3×4	3C	4	4	4	15	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Nitrogen Package Local UCP A/B (Redundant)
422	D01	L-110UPS-F35	0.11AC	GCS-110-UPS-F35	Operator WorkStation	2.964	3×10	3C	10	10	10	35	M25	M25	20.7	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Operator WorkStation (Including DCS, ESD, Package)
423	D03	L-110UPS-F36	0.11AC	GCS-110-UPS-F36	Operator WorkStation	2.964	3×10	3C	10	10	10	35	M25	M25	20.7	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Operator WorkStation (Including DCS, ESD, Package)
424	D01	L-110UPS-F37	0.11AC	GCS-110-UPS-F37	DCS Engineering Workstation	0.713	3×4	3C	4	4	4	20	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To DCS Engineering Workstation
425	D01	L-110UPS-F38	0.11AC	GCS-110-UPS-F38	ESD Engineering Workstation	0.713	3×4	3C	4	4	4	20	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To ESD Engineering Workstation
426	D01	L-110UPS-F39	0.11AC	GCS-110-UPS-F39	F&G Operator / Engineering	0.713	3×4	3C	4	4	4	20	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To F&G Operator / Engineering
427	D03	L-110UPS-F41	0.11AC	GCS-110-UPS-F41	Printer A	1.8	3×6	3C	6	6	6	35	M20 A	M20 A	17.5	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To Operator / Engineering Printer A
428	D03	L-110UPS-F42	0.11AC	GCS-110-UPS-F42	Printer B	1.8	3×6	3C	6	6	6	35	M20 A	M20 A	17.5	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To Operator / Engineering Printer B
429	D03	L-110UPS-F43	0.11AC	GCS-110-UPS-F43	Printer C	1.8	3×6	3C	6	6	6	35	M20 A	M20 A	17.5	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	To Operator / Engineering Printer C
430	D02	L-NSWGE-Non UPS	0.4	GCS-400-NSWG-001E	GCS-400-Non UPS	19.2	4×25	4C	25	25	-	60	M25	M25	26.4	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Non-UPS Load for Instrument
431	D02	L-Non UPS-F01	0.23	GCS-400-Non UPS-F01	F01	0.4	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For DCS A (Heater, Fan, Light)
432	D02	L-Non UPS-F02	0.23	GCS-400-Non UPS-F02	F02	0.4	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For DCS B (Heater, Fan, Light)
433	D02	L-Non UPS-F03	0.23	GCS-400-Non UPS-F03	F03	0.4	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For DCS C (Heater, Fan, Light)
434	D02	L-Non UPS-F04	0.23	GCS-400-Non UPS-F04	F04	0.9	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For DCS D (Heater, Fan, Light,Socket))
435	D02	L-Non UPS-F05	0.23	GCS-400-Non UPS-F05	F05	0.4	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For ESD A (Heater, Fan, Light)
436	D02	L-Non UPS-F06	0.23	GCS-400-Non UPS-F06	F06	0.4	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For ESD B (Heater, Fan, Light)
437	D02	L-Non UPS-F07	0.23	GCS-400-Non UPS-F07	F07	0.9	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For ESD C (Heater, Fan, Light,Socket))
438	D02	L-Non UPS-F08	0.23	GCS-400-Non UPS-F08	F08	0.4	3×4	3C	4	4	4	25	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For F&G A (Heater, Fan, Light)
439	D02	L-Non UPS-F09	0.23	GCS-400-Non UPS-F09	F09	0.4	3×4	3C	4	4	4	25	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For F&G B (Heater, Fan, Light)
440	D03	L-Non UPS-F10	0.23	GCS-400-Non UPS-F10	F10	0.9	3×4	3C	4	4	4	25	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For F&G C (Heater, Fan, Light,Socket))
441	D02	L-Non UPS-F11	0.23	GCS-400-Non UPS-F11	F11	0.4	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Gas Compressor UCP A (Heater, Fan, Light)
442	D02	L-Non UPS-F12	0.23	GCS-400-Non UPS-F12	F12	0.4	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Gas Compressor UCP A (Heater, Fan, Light)
443	D02	L-Non UPS-F13	0.23	GCS-400-Non UPS-F13	F13	0.4	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Gas Compressor UCP B (Heater, Fan, Light)
444	D02	L-Non UPS-F14	0.23	GCS-400-Non UPS-F14	F14	0.4	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Gas Compressor UCP B (Heater, Fan, Light)
445	D02	L-Non UPS-F15	0.23	GCS-400-Non UPS-F15	F15	0.4	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Gas Compressor UCP C (Heater, Fan, Light)
446	D03	L-Non UPS-F16	0.23	GCS-400-Non UPS-F16	F16	0.9	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Gas Compressor UCP C (Heater, Fan, Light,Socket))
447	D02	L-Non UPS-F17	0.23	GCS-400-Non UPS-F17	F17	0.4	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Dehydration BMS A (if any) (Heater, Fan, Light)
448	D03	L-Non UPS-F18	0.23	GCS-400-Non UPS-F18	F18	0.9	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Dehydration BMS A (if any) (Heater, Fan, Light,Socket))
449	D02	L-Non UPS-F19	0.23	GCS-400-Non UPS-F19	F19	0.4	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Dehydration BMS B (if any) (Heater, Socket, Fan, Light)
450	D03	L-Non UPS-F20	0.23	GCS-400-Non UPS-F20	F20	0.9	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Dehydration BMS B(if any) (Heater, Fan, Light,Socket))
451	D03	L-Non UPS-F21	0.23	GCS-400-Non UPS-F21	F21	0.9	3×4	3C	4	4	4	75	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Total Flooding UCP(Heater, Socket, Fan, Light)
452	D03	L-Non UPS-F22	0.23	GCS-400-Non UPS-F22	F22	0.9	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Paging Cabinet (Heater, Socket, Fan, Light)
453	D03	L-Non UPS-F23	0.23	GCS-400-Non UPS-F23	F23	0.9	3×4	3C	4	4	4	20	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Air Compressor UCP A (Heater, Socket, Fan, Light)
454	D03	L-Non UPS-F24	0.23	GCS-400-Non UPS-F24	F24	0.9	3×4	3C	4	4	4	20	M20 A	M20 A	16.6	B		Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Air Compressor UCP B (Heater, Socket, Fan, Light)

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Rout
				FROM	To			Core	Phase	N	E		Source	Field				
455	D03	L-Non UPS-F25	0.23	GCS-400-Non UPS-F25	F25	0.9	3×4	3C	4	4	4	25	M20 A	M20 A	16.6	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cabinet Utilities For Nitrogen package UCP(Heater, Socket, Fan, Light)
456	D03	L-Non Ups-F26	0.23	GCS-400-Non UPS-F26	F26	0.5	3×4	3C	4	4	4	30	M25	M25	20.7	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Control Desk Sockets
457	D02	L-NSWGE-FDP 01	0.4	GCS-400-NSWG-001E	GCS-230-FDP 01	1	4×4	4C	4	4	-	210	M20 A	M20 A	17.7	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Fire Diesel Panel 01 (Electrical Main Motor)
458	D02	L-NSWGE-FDP 02	0.4	GCS-400-NSWG-001E	GCS-230-FDP 02	1	4×4	4C	4	4	-	210	M20 A	M20 A	17.7	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Fire Diesel Panel 02 (Diesel Engine)
459	D02	L-NSWGE-SPH-01	0.4	GCS-400-NSWG-001E	SPH-01	2	4×4	4C	4	4	-	20	M20 A	M20 A	17.7	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Space Heater & Lighting for New LV Switchgear
460	D02	L-NSWGE-SPH-02	0.4	GCS-400-NSWG-001E	SPH-02	2	4×4	4C	4	4	-	30	M20 A	M20 A	17.7	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Space Heater & Lighting for MV Switchgear
461	D03	L-NSWGE-EDP-CRM	0.4	GCS-400-NSWG-001E	GCS-400-EDP-CRM	13.5	4×16	4C	16	16	-	75	M32	M32	28.4	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Control Room Emergency Lighting Panel
462	D03	L-NSWGE-HVAC-CRM1	0.4	GCS-400-NSWG-001E	GCS-400-HVAC-CRM1	97.9	1×240	1C	240		-	75	M90	M90	78.4	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	Control Room Emergency Distribution Panel for HVAC 1
463	D03	L-NSWGE-HVAC-CRM2	0.4	GCS-400-NSWG-001E	GCS-400-HVAC-CRM1	97.9	1×240	1C	240		-	75	M90	M90	78.4	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	Control Room Emergency Distribution Panel for HVAC 1
464	D03	L-NSWGE-HVAC-CRM3	0.4	GCS-400-NSWG-001E	GCS-400-HVAC-CRM1	97.9	1×240	1C	240		-	75	M90	M90	78.4	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	Control Room Emergency Distribution Panel for HVAC 1
465	D03	L-NSWGE-HVAC-CRM4	0.4	GCS-400-NSWG-001E	GCS-400-HVAC-CRM1	97.9	1×120	1C		120	-	75	M90	M90	78.4	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Control Room Emergency Distribution Panel for HVAC 1
466	D03	L-NSWGB-EDP-CRM5	0.4	GCS-400-NSWG-001B	GCS-400-EDP-CRM2	97.9	1×240	1C	240		-	75	M90	M90	78.4	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	Control Room Emergency Distribution Panel for HVAC 2
467	D03	L-NSWGB-EDP-CRM6	0.4	GCS-400-NSWG-001B	GCS-400-EDP-CRM2	97.9	1×240	1C	240		-	75	M90	M90	78.4	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	Control Room Emergency Distribution Panel for HVAC 2
468	D03	L-NSWGB-EDP-CRM7	0.4	GCS-400-NSWG-001B	GCS-400-EDP-CRM2	97.9	1×240	1C	240		-	75	M90	M90	78.4	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	Control Room Emergency Distribution Panel for HVAC 2
469	D03	L-NSWGB-EDP-CRM8	0.4	GCS-400-NSWG-001B	GCS-400-EDP-CRM2	97.9	1×120	1C		120	-	75	M90	M90	78.4	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Control Room Emergency Distribution Panel for HVAC 2
470	D03	L-NSWGE-EDP-SWHVAC	0.4	GCS-400-NSWG-001E	GCS-400-EDP-SWHVAC	46	3×50×25	5C	50	25	-	75	M40	M40	42.2	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Switchgear Emergency Distribution Panel & HVAC
471	D03	L-NSWGE-EDP-WARE	0.4	GCS-400-NSWG-001E	GCS-400-EDP-WARE	10.2	4×10	4C	10	10	-	100	M25	M25	24.5	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Warehouse Emergency Distribution Panel & HVAC
472	D02	L-NSWGE-EHTG		GCS-400-NSWG-001E	EHTG													Electrical Heat-Tracing
473	D03	L-NSWGA-CAP-A-01	0.4	GCS-400-NSWG-001A	CAP-01	140	3×185 (hold)	3C	185	-	-	35	M63	M63	56.9	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cable 1 of LV Switchgear A Capacitor Bank
474	D03	L-NSWGA-CAP-A-02	0.4	GCS-400-NSWG-001A	CAP-01	140	3×185 (hold)	3C	185	-	-	35	M63	M63	56.9	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cable 2 of LV Switchgear A Capacitor Bank
475	D01	C-NSWGA-CAP-A		GCS-400-NSWG-001A	CAP-01	-	3×4 (hold)	3C	-	-	-	35	M25	M25	20	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	Control Cable of LV Switchgear A Capacitor Bank
476	D03	L-NSWGA-CAP-B-01	0.4	GCS-400-NSWG-001B	CAP-02	140	3×185 (hold)	3C	185	-	-	25	M63	M63	56.9	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cable 1 of LV Switchgear B Capacitor Bank
477	D03	L-NSWGA-CAP-B-02	0.4	GCS-400-NSWG-001B	CAP-02	140	3×185 (hold)	3C	185	-	-	25	M63	M63	56.9	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	Cable 2 of LV Switchgear B Capacitor Bank
478	D01	C-NSWGA-CAP-B		GCS-400-NSWG-001B	CAP-02	-	3×4 (hold)	3C	-	-	-	25	M25	M25	20	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	Control Cable of LV Switchgear A Capacitor Bank
479	D03	L-NSWGA-DG-001A1	0.4	GCS-400-NSWG-001E	GCS-DG-001	500	1×300	1C	300	-	-	30	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	to Generator Control Panel
480	D03	L-NSWGA-DG-001A2	0.4	GCS-400-NSWG-001E	GCS-DG-001	500	1×300	1C	300	-	-	30	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	to Generator Control Panel
481	D03	L-NSWGA-DG-001B1	0.4	GCS-400-NSWG-001E	GCS-DG-001	500	1×300	1C	300	-	-	30	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	to Generator Control Panel
482	D03	L-NSWGA-DG-001B2	0.4	GCS-400-NSWG-001E	GCS-DG-001	500	1×300	1C	300	-	-	30	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	to Generator Control Panel
483	D03	L-NSWGA-DG-001C1	0.4	GCS-400-NSWG-001E	GCS-DG-001	500	1×300	1C	300	-	-	30	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	to Generator Control Panel
484	D03	L-NSWGA-DG-001C2	0.4	GCS-400-NSWG-001E	GCS-DG-001	500	1×300	1C	300	-	-	30	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	to Generator Control Panel
485	D03	L-NSWGA-DG-001N1	0.4	GCS-400-NSWG-001E	GCS-DG-001	500	1×300	1C	-	300	-	30	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	to Generator Control Panel
486	D03	L-NSWGA-DG-001A3	0.4	GCS-DG-001	GCS-G-001	500	1×300	1C	300	-	-	7	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	From Generator Control Panel to Generator
487	D03	L-NSWGA-DG-001A4	0.4	GCS-DG-001	GCS-G-001	500	1×300	1C	300	-	-	7	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	From Generator Control Panel to Generator
488	D03	L-NSWGA-DG-001B3	0.4	GCS-DG-001	GCS-G-001	500	1×300	1C	300	-	-	7	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	From Generator Control Panel to Generator
489	D03	L-NSWGA-DG-001B4	0.4	GCS-DG-001	GCS-G-001	500	1×300	1C	300	-	-	7	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	From Generator Control Panel to Generator
490	D03	L-NSWGA-DG-001C3	0.4	GCS-DG-001	GCS-G-001	500	1×300	1C	300	-	-	7	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	From Generator Control Panel to Generator
491	D03	L-NSWGA-DG-001C4	0.4	GCS-DG-001	GCS-G-001	500	1×300	1C	300	-	-	7	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	From Generator Control Panel to Generator
492	D03	L-NSWGA-DG-001N2	0.4	GCS-DG-001	GCS-G-001	500	1×300	1C		300	-	7	M40	M40	34.2	C	Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)	From Generator Control Panel to Generator
493	D02	C-NSWGA-DG-001	0.11DC	GCS-400-NSWG-001E	GCS-DG-001	-	12×2.5 (hold)	12C	2.5	-	-	30	M25	M25	24.4	E	Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)	To / From LV Switchgear
494	D03	H-11SWGA-CAP-1	11	GCS-11-SWG-001A	Existing MV Capacitor Bank 1	350 kvar	3×95	3C	95	-	-	35	M90	M90	79.1	I	Cu/SC/XLPE/SC/SCT/ICWS/Bd/SWA/PVC - N2XSEYRY (MV MULTI-CORE)	From New Location of Existing Capacitor Bank1 to Existing MV Cell
495	D03	H-11SWGB-CAP-2	11	GCS-11-SWG-001B	Existing MV Capacitor Bank 2	350 kvar	3×95	3C	95	-	-	35	M90	M90	79.1	I	Cu/SC/XLPE/SC/SCT/ICWS/Bd/SWA/PVC - N2XSEYRY (MV MULTI-CORE)	From New Location of Existing Capacitor Bank2 to Existing MV Cell
496	D03	H-11SWGB-CAP-3	11	GCS-11-SWG-001B	Existing MV Capacitor Bank 3	350 kvar	3×95	3C	95	-	-	35	M90	M90	79.1	I	Cu/SC/XLPE/SC/SCT/ICWS/Bd/SWA/PVC - N2XSEYRY (MV MULTI-CORE)	From New Location of Existing Capacitor Bank3 to Existing MV Cell
497	D03	L-NSWGE-CCTV	0.4	GCS-400-NSWG-001E	CCTV Control Building	11.7	4×25	4C	25	25	-	200	M63	M63	53.8	B	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	GCS CCTV Emergency Distribution Panel & HVAC
498	D03	C-11SWGA-NSWG-IT1	-	GCS-11-SWG-001A	GCS-400-NSWG-001A	-	6×2.5	6C	2.5	-	-	40	-	-		L	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	INTERLOCK AND INTERTRIP BETWEEN LV IN COMING & MV UPSTREAM FEEDER
499	D03	C-11SWGA-NSWG-IT2	-	GCS-11-SWG-001A	GCS-400-NSWG-001A	-	6×2.5	6C	2.5	-	-	40	-	-		L	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	INTERLOCK AND INTERTRIP BETWEEN LV IN COMING & MV UPSTREAM FEEDER
500	D03	C-TR01-NSWG-PR1	-	GCS-TR-001	GCS-400-NSWG-001A	-	5×2.5	5C	2.5	2.5	2.5	25	-	-		L	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	CABLE FROM TR. NEUTRAL TO LV INC. FOR 51G PROTECTION RELAY
501	D03	C-TR01-NSWG-PR2	-	GCS-TR-002	GCS-400-NSWG-001B	-	5×2.5	5C	2.5	2.5	2.5	25	-	-		L	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	CABLE FROM TR. NEUTRAL TO LV INC. FOR 51G PROTECTION RELAY
502	D03	C-TR01-NSWG-PR3	-	GCS-TR-001	GCS-11-SWG-001A	-	12×2.5	12C	2.5	-	-	40	-	-		L	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	CABLE FROM TR 1. MECHANICAL FAULT
503	D03	C-TR01-NSWG-PR4	-	GCS-TR-002	GCS-11-SWG-001B	-	12×2.5	12C	2.5	-	-	40	-	-		L	Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)	CABLE FROM TR. 2 MECHANICAL FAULT

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (SQMM)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	ROUT
				FROM	To			Core	Phase	N	E		Source	Field				
1	D01	L-NDP01F01-FLTJB34	0.4	GCS-400-NDP-01/F01	NEW FLT-34RST-JB	8	5×10	5C	10	10.0	10.0	340	M25	M25	28.3	A	To Latest Flood Lighting Tower in The Line	
2	D02	-	0.23	FLT-JB	Floodlight Fixtures		3×2.5	3C	3	2.5	2.5	100	M20 A	M20 A	15.3	Z	From Tower JB to Terminal Box & Floodlight Fixtures	
3	D01	L-NDP01F02-FLTJB5	0.4	GCS-400-NDP-01/F02	EXISTING FLT-5RST	3.5	5×10	5C	10	10.0	10.0	190	M25	M25	28.3	A	To Latest Flood Lighting Tower in The Line	
4	D02	-	0.23	FLT-JB	Floodlight Fixtures		3×2.5	3C	3	2.5	2.5	80	M20 A	M20 A	15.3	Z	From Tower JB to Terminal Box & Floodlight Fixtures	
5	D01	L-NDP02F01-FLTJB35	0.4	GCS-400-NDP-02/F01	NEW FLT-35RST	4.5	5×10	5C	10	10.0	10.0	210	M25	M25	22.3	B	To Latest Flood Lighting Tower in The Line	
6	D02	-	0.23	FLT-JB	Floodlight Fixtures		3×2.5	3C	3	2.5	2.5	70	M20 A	M20 A	15.3	Z	From Tower JB to Terminal Box & Floodlight Fixtures	
7	D01	L-EDP02F01-JB	0.23	GCS-400-EDP-02/F01	FLT-UT-F01-JB	0.036	3×6	3C	6	6.0	6.0	65	M20 A	M20 A	17.5	B	To First Fluorescent Lighting JB in The Line	
8	D02	-	0.23	FLT-UT-F01-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	15	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
9	D01	L-EDP02F02-JB	0.23	GCS-400-EDP-02	FLT-UT-F02-JB	0.018	3×6	3C	6	6.0	6.0	170	M20 A	M20 A	17.5	B	To First Fluorescent Lighting JB in The Line	
10	D02	-	0.23	FLT-UT-F02-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	5	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
11	D01	L-EDP02F03-JB	0.23	GCS-400-EDP-02	FLT-UT-F03-JB	0.018	3×6	3C	6	6.0	6.0	180	M20 A	M20 A	17.5	B	To First Fluorescent Lighting JB in The Line	
12	D02	-	0.23	FLT-UT-F03-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	5	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
13	D01	L-EDP02F04-JB	0.23	GCS-400-EDP-02	FLT-UT-F04-JB	0.126	3×6	3C	6	6.0	6.0	30	M20 A	M20 A	17.5	B	To First Fluorescent Lighting JB in The Line	
14	D02	-	0.23	FLT-UT-F04-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	80	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
15	D01	L-EDP02F05-JB	0.23	GCS-400-EDP-02	FLT-UT-F05-JB	0.126	3×6	3C	6	6.0	6.0	60	M20 A	M20 A	17.5	B	To First Fluorescent Lighting JB in The Line	
16	D02	-	0.23	FLT-UT-F05-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	80	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
17	D01	L-EDP01F01-JB	0.23	GCS-400-EDP-01	FLC-PR-F01-JB	0.108	3×6	3C	6	6.0	6.0	220	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
18	D02	-	0.23	FLC-PR-F01-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	55	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
19	D01	L-EDP01F02-JB	0.23	GCS-400-EDP-01	FLC-PR-F02-JB	0.108	3×6	3C	6	6.0	6.0	260	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
20	D02	-	0.23	FLC-PR-F02-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	55	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
21	D01	L-EDP01F03-JB	0.23	GCS-400-EDP-01	FLC-PR-F03-JB	0.108	3×6	3C	6	6.0	6.0	290	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
22	D02	-	0.23	FLC-PR-F03-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	55	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
23	D01	L-EDP01F04-JB	0.23	GCS-400-EDP-01	FLC-PR-F04-JB	0.108	3×6	3C	6	6.0	6.0	320	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
24	D02	-	0.23	FLC-PR-F04-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	75	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
25	D01	L-EDP01F05-JB	0.23	GCS-400-EDP-01	FLC-PR-F05-JB	0.144	3×6	3C	6	6.0	6.0	230	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
26	D02	-	0.23	FLC-PR-F05-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	65	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
27	D01	L-EDP01F06-JB	0.23	GCS-400-EDP-01	FLC-PR-F06-JB	0.144	3×6	3C	6	6.0	6.0	270	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
28	D02	-	0.23	FLC-PR-F06-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	65	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
29	D01	L-EDP01F07-JB	0.23	GCS-400-EDP-01	FLC-PR-F07-JB	0.18	3×6	3C	6	6.0	6.0	320	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
30	D02	-	0.23	FLC-PR-F07-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	90	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
31	D01	L-EDP01F08-JB	0.23	GCS-400-EDP-01	FLC-PR-F08-JB	0.126	3×6	3C	6	6.0	6.0	260	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
32	D02	-	0.23	FLC-PR-F08-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	130	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
33	D01	L-EDP01F09-JB	0.23	GCS-400-EDP-01	FLC-PR-F09-JB	0.108	3×6	3C	6	6.0	6.0	100	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
34	D02	-	0.23	FLC-PR-F09-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	75	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	
35	D01	L-EDP01F10-JB	0.23	GCS-400-EDP-01	FLC-PR-F10-JB	0.036	3×6	3C	6	6.0	6.0	160	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
36	D02	-	0.23	FLC-PR-F10-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	15	M20 A	M20 A	15.3	L	From Fluorescent Lighting JB to Fluorescent Lightings	