

	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض									
	خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)									
شماره پیمان: 053 - 073 - 9184	INSTRUMENT CABLE LIST							شماره صفحه: 1 از 11		
	نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	پسته کاری			پروژه
	V06	0003	LI	IN	120	HY	GCS			BK
طرح نگهداشت و افزایش تولید ۲۷ مخزن										
INSTRUMENT CABLE LIST نگهداشت و افزایش تولید میدان نفتی بینک										
V06	Sep.2024	AFC	Havayar Co.	M.Fakharian	M.SADEGHIAN					
V05	Jun.2024	AFC	Havayar Co.	M.Fakharian	M.SADEGHIAN					
V04	Apr.2024	AFC	Havayar Co.	M.Fakharian	S.Faramarzpour					
V03	Feb.2024	AFC	Havayar Co.	M.Fakharian	S.Faramarzpour					
V02	NOV.2023	AFC	Havayar Co.	M.Fakharian	S.Faramarzpour					
V01	OCT.2023	AFC	Havayar Co.	M.Fakharian	S.Faramarzpour					
V00	SEP.2023	IFR	Havayar Co.	M.Fakharian	S.Faramarzpour					
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval				
		CLIENT Doc. Number:								
status: IFA: Issued For Approval IFR: Issued For Review IFI: Issued For Information AFC: Approved For Construction										

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض						 HAVAYAR INDUSTRIAL GROUP	
	خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)							
شماره پیمان: 053 - 073 - 9184	INSTRUMENT CABLE LIST						شماره صفحه: 2 از 11	
	نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده		بسته کاری
	V06	0003	LI	IN	120	HY	GCS	BK

REVISION RECORD SHEET									
Page	V00	V01	V02	V03	V04	Page	V05	V06	
1	X	X	X	X	X	1	X	X	
2	X	X	X	X	X	2	X	X	
3	X	X	X	X	X	3	X	X	
4	X	X	X	X	X	4	X	X	
5	X	X	X	X	X	5	X	X	
6	X	X	X	X	X	6	X	X	
7	X	X	X	X	X	7	X	X	
8	X	X	X	X	X	8	X	X	
9					X	9	X	X	
10					X	10	X	X	
11					X	11	X	X	
12						12			
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		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و آبپایه تحت الارض خرید پنچ های کمپرسور گاز (رقت و برقتش) بینک (BK-HD-GCS-CO-0008_03 قرارداد)							 HAVAYAR INDUSTRIAL GROUP		شماره صفحه: 3 از 11									
شماره پیمان:		INSTRUMENT CABLE LIST																		
053 - 073 – 9184		BK	GCS	IHY	120		رشته	نوع متریک	سریال	نسخه										
Item No.		Cable Tag No.	From	To	Cable size		Description	Color	Cable Length (m)	Gland	IS/NIS	Remark								
1	IC-C-PSOV-2201A	JBU-S-2101A	UCP-2101A	C-PSOV-2201A	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar									
2	IC-C-PSOV-2202A			C-PSOV-2202A	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar									
3	IC-C-PSOV-2203A			C-PSOV-2203A	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar									
4	IC-C-PSOV-2204A			C-PSOV-2204A	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar									
5	IC-C-PSOV-2205A			C-PSOV-2205A	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar									
6	MC-JBU-S-2101A	UCP-2101A	JBU-S-2101A	7x2x2.5mm ³	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT		Gray	–	M40	NIS	Out of Havayar scope of work (By Hiran)									
7	IC-C-TS-2191A	C-TS-2191A	JBU-D-2101A	UCP-2101A	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar									
8	IC-C-TS-2194A	C-TS-2194A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar									
9	IC-C-PS-2133A	C-PS-2133A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar									
10	IC-C-PS-2204A	C-PS-2204A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar									
11	IC-C-PS-2220A	C-PS-2220A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar									
12	MC-JBU-D-2101A	JBU-D-2101A	UCP-2101A	7x2x1mm ²	CJ,PVC,SC,OSC,SWA,PVC,FIRE RESISTANT		Gray Red Strip	–	M32	NIS	Out of Havayar scope of work (By Hiran)									
13	IC-FT-2121A	FT-2121A	JBU-A-2101 (Hiran JB)	UCP-2101A	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
14	IC-TT-2122A	TT-2122A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
15	IC-PDT-2122A	PDT-2122A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
16	IC-PT-2123A	PT-2123A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
17	IC-TT-2123A	TT-2123A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
18	IC-PT-2124A	PT-2124A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
19	IC-FT-2131A	FT-2131A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
20	IC-TT-2132A	TT-2132A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
21	IC-PT-2132A	PT-2132A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
22	IC-PDT-2132A	PDT-2132A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
23	IC-TT-2133A	TT-2133A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
24	IC-PT-2133A	PT-2133A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
25	IC-PCVY-2123A	PCVY-2123A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
26	IC-PCVY-2123A	PCVY-2123A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item									
27	MC-JBU-A-2101	JBU-A-2101	UCP-2101A	19x2x1mm ²	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT		Blue	–	M50	IS	Out of Havayar scope of work (By Hiran)									
28	IC-C-TE-2214A	C-TE-2214A	C-TT-2214A	1x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar									
29	IC-C-TE-2215A	C-TE-2215A	C-TT-2215A	1x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar									
30	IC-C-TE-2216A	C-TE-2216A	C-TT-2216A	1x3x1.5mm ²	Special Cable-RTD cable 3x0.5mm ²		Blue	10	M20	IS	Supply by Havayar									
31	IC-C-TE-2217A	C-TE-2217A	C-TT-2217A	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²		N/A	10	M20	N/A	Supply by Havayar									
32	IC-C-TE-2218A	C-TE-2218A	C-TT-2218A	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²		N/A	10	M20	N/A	Supply by Havayar									
33	IC-C-TE-2219A	C-TE-2219A	C-TT-2219A	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²		N/A	10	M20	N/A	Supply by Havayar									
34	IC-C-TE-2220A	C-TE-2220A	C-TT-2220A	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²		N/A	–	M20	N/A	Supply by Havayar									
35	IC-C-TT-2203A	C-TT-2203A	JBU-A-2101A	UCP-2101A	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar									
36	IC-C-TT-2213A	C-TT-2213A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar									
37	IC-C-PT-2204A	C-PT-2204A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar									
38	IC-C-PT-2220A	C-PT-2220A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar									
39	IC-C-LT-2213A	C-LT-2213A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar									
40	IC-C-TT-2191A	C-TT-2191A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar									
41	IC-C-TT-2194A	C-TT-2194A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar									
42	IC-C-PT-2201A	C-PT-2201A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar									
43	IC-C-PT-2210A	C-PT-2210A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar									
44	IC-C-PT-2211A	C-PT-2211A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar									
45	IC-C-PT-2212A	C-PT-2212A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar									
46	IC-C-PT-2200A	C-PT-2200A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar									
47	IC-C-LT-2200A	C-LT-2200A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar									
48	IC-C-FT-2206A	C-FT-2206A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar									
49	IC-C-TT-2204A	C-TT-2204A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar									
50	IC-C-PDT-2204A	C-PDT-2204A			1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar									
51	MC-JBU-A-2101A	JBU-A-2101A	UCP-2101A	19x2x1mm ²	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT		Blue	–	M50	IS	Out of Havayar scope of work (By Hiran)									
52	IC-C-ZT-2200A	C-ZT-2200A	JBU-A-2102A	UCP-2101A	Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8	M20	N/A	Supply by Havayar									
53	IC-C-ZT-2201A	C-ZT-2201A			Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8	M20	N/A	Supply by Havayar									
54	IC-C-KT-2200A	C-KT-2200A			Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8.5	M20	N/A	Supply by Havayar									
55	MC-JBU-A-2102A	JBU-A-2102A	UCP-2101A	7x3x1mm ²	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT		Blue	–	M40	IS	Out of Havayar scope of work (By Hiran)									

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض							 HAVAYAR INDUSTRIAL GROUP				
		خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (قرارداد 03-0008 BK-HD-GCS-CO)											
شماره پیمان:		INSTRUMENT CABLE LIST							شماره صفحه : 5 از 11				
		پروژه	BK	GCS	HY	تسهیلات	رشته	نوع مدرک				سریال	نسخه
053 - 073 – 9184					120		IN	LI	0003	V06			
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark			
105	*MC-MCC-2101A7	Client IRP	UCP-2101A MAIN WATER PUMP ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)			
106			UCP-2101A MAIN WATER PUMP Stop Command										
107			UCP-2101A MAIN WATER PUMP Start Command										
108			UCP-2101A MAIN WATER PUMP Running Status										
109			UCP-2101A MAIN WATER PUMP Fault Status										
110	*MC-MCC-2101A8	Client IRP	UCP-2101A AUX WATER PUMP ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)			
111			UCP-2101A AUX WATER PUMP Stop Command										
112			UCP-2101A AUX WATER PUMP Start Command										
113			UCP-2101A AUX WATER PUMP Running Status										
114			UCP-2101A AUX WATER PUMP Fault Status										
115	*MC-MCC-2101A9	Client IRP	UCP-2101A WATER HEATER ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)			
116			UCP-2101A WATER HEATER Stop Command										
117			UCP-2101A WATER HEATER Start Command										
118			UCP-2101A WATER HEATER Running Status										
119			UCP-2101A WATER HEATER Fault Status										
120	*MC-MCC-2101A10	Client IRP	UCP-2101A WATER COOLER A ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)			
121			UCP-2101A WATER COOLER A Stop Command										
122			UCP-2101A WATER COOLER A Start Command										
123			UCP-2101A WATER COOLER A Running Status										
124			UCP-2101A WATER COOLER A Fault Status										
125	*MC-MCC-2101A11	Client IRP	UCP-2101A BARRING MOTOR ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)			
126			UCP-2101A BARRING MOTOR Stop Command										
127			UCP-2101A BARRING MOTOR Start Command										
128			UCP-2101A BARRING MOTOR Running Status										
129			UCP-2101A BARRING MOTOR Fault Status										
130	*MC-MCC-2101A12	Client IRP	UCP-2101A OIL COOLER MOTOR B	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)			
131			UCP-2101A OIL COOLER MOTOR B Stop Command										
132			UCP-2101A OIL COOLER MOTOR B Start Command										
133			UCP-2101A OIL COOLER MOTOR B Running Status										
134			UCP-2101A OIL COOLER MOTOR B Fault Status										
135	MC-ESD-2101A	ESD	UCP-2101A	7x2x1mm ²	CU,PVC,OSC,PVC,FIRE RESISTANT	Gray Red Strip	-	M32	NIS	Out of Havayar scope of work (By Hiran)			
136	MC-DCS-2101A	DCS	UCP-2101A	12x2x1mm ²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	-	M40	NIS	Out of Havayar scope of work (By Hiran)			
137	IC-PT-2121A	DCS	UCP-2101A	1x2x1.5mm ²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	-	M20	NIS	Out of Havayar scope of work (By Hiran) Spill Back			
138	IC-C-VS-2205A	C-VS-2205A	JBU-D-2102A	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
139	IC-C-VS-2206A	C-VS-2206A		1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
140	IC-C-VS-2207A	C-VS-2207A		1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
141	MC-JBU-D-2102A	JBU-D-2102A	UCP-2101A	7x2x1mm ²	CU,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	-	M32	NIS	Out of Havayar scope of work (By Hiran)			

		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و انبیه تحت الارض										
		خرید پنج های کمپرسور گاز (رقت و برقتش) بینک (قرارداد 03-0008-BK-HD-GCS-CO)										
		INSTRUMENT CABLE LIST										
شماره پیمان:		پروژه	پسته کاری	صادرکننده	تسهیلات	رشته	نوع متریک	سریال	نسخه	شماره صفحه: 6 از 11		
053 - 073 – 9184		BK	GCS	HY	I20	IN	LI	0003	V%6			
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark		
1	IC-C-PSOV-2201B	JBU-S-2101B	C-PSOV-2201B	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
2	IC-C-PSOV-2202B		C-PSOV-2202B	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
3	IC-C-PSOV-2203B		C-PSOV-2203B	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
4	IC-C-PSOV-2204B		C-PSOV-2204B	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
5	IC-C-PSOV-2205B		C-PSOV-2205B	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
6	MC-JBU-S-2101B	UCP-2101B	JBU-S-2101B	7x2x2.5mm ³	CU,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M40	NIS	Out of Havayar scope of work (By Hiran)		
7	IC-C-TS-2191B	C-TS-2191B	JBU-D-2101B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar		
8	IC-C-TS-2194B	C-TS-2194B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar		
9	IC-C-PS-2133B	C-PS-2133B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar		
10	IC-C-PS-2204B	C-PS-2204B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar		
11	IC-C-PS-2220B	C-PS-2220B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar		
12	MC-JBU-D-2101B	JBU-D-2101B	UCP-2101B	7x2x1mm ²	CU,PVC,SC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	–	M32	NIS	Out of Havayar scope of work (By Hiran)		
13	IC-FT-2121B	FT-2121B	JBU-A-2102 (Hiran JB)	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
14	IC-TT-2122B	TT-2122B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
15	IC-PDT-2122B	PDT-2122B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
16	IC-PT-2123B	PT-2123B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
17	IC-TT-2123B	TT-2123B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
18	IC-PT-2124B	PT-2124B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
19	IC-FT-2131B	FT-2131B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
20	IC-TT-2132B	TT-2132B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
21	IC-PT-2132B	PT-2132B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
22	IC-PDT-2132B	PDT-2132B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
23	IC-TT-2133B	TT-2133B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
24	IC-PT-2133B	PT-2133B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
25	IC-PCVY-2123B	PCVY-2123B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
26	IC-PCY2-2123B	PCY2-2123B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
27	MC-JBU-A-2102	JBU-A-2102	UCP-2101B	19x2x1mm ²	CU,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Blue	–	M50	IS	Out of Havayar scope of work (By Hiran)		
28	IC-C-TE-2214B	C-TE-2214B	C-TT-2214B	1x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
29	IC-C-TE-2215B	C-TE-2215B	C-TT-2215B	1x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
30	IC-C-TE-2216B	C-TE-2216B	C-TT-2216B	1x3x1.5mm ²	Special Cable-RTD cable 3x0.5mm ²	Blue	10	M20	IS	Supply by Havayar		
31	IC-C-TE-2217B	C-TE-2217B	C-TT-2217B	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar		
32	IC-C-TE-2218B	C-TE-2218B	C-TT-2218B	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar		
33	IC-C-TE-2219B	C-TE-2219B	C-TT-2219B	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar		
34	IC-C-TE-2220B	C-TE-2220B	C-TT-2220B	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	–	M20	N/A	Supply by Havayar		
35	IC-C-TT-2203B	C-TT-2203B	JBU-A-2101B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
36	IC-C-TT-2213B	C-TT-2213B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar		
37	IC-C-PT-2204B	C-PT-2204B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
38	IC-C-PT-2220B	C-PT-2220B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
39	IC-C-LT-2213B	C-LT-2213B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
40	IC-C-TT-2191B	C-TT-2191B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
41	IC-C-TT-2194B	C-TT-2194B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
42	IC-C-PT-2201B	C-PT-2201B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
43	IC-C-PT-2210B	C-PT-2210B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
44	IC-C-PT-2211B	C-PT-2211B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
45	IC-C-PT-2212B	C-PT-2212B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
46	IC-C-PT-2200B	C-PT-2200B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
47	IC-C-LT-2200B	C-LT-2200B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
48	IC-C-FT-2206B	C-FT-2206B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar		
49	IC-C-TT-2204B	C-TT-2204B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar		
50	IC-C-PDT-2204B	C-PDT-2204B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar		
51	MC-JBU-A-2101B	JBU-A-2101B	UCP-2101B	19x2x1mm ²	CU,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Blue	–	M50	IS	Out of Havayar scope of work (By Hiran)		
52	IC-C-ZT-2200B	C-ZT-2200B	JBU-A-2102B	Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8	M20	N/A	Supply by Havayar		
53	IC-C-ZT-2201B	C-ZT-2201B		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8	M20	N/A	Supply by Havayar		
54	IC-C-XT-2200B	C-XT-2200B		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8.5	M20	N/A	Supply by Havayar		
55	MC-JBU-A-2102B	JBU-A-2102B	UCP-2101B	7x3x1mm ²	CU,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Blue	–	M40	IS	Out of Havayar scope of work (By Hiran)		

		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و انبیه تحت الارض											
		خرید یکجای های کمپرسور گاز (فکت و پرگانشتر) بینک (قرارداد 03-0008_CO-GCS-HD-BK)											
		INSTRUMENT CABLE LIST											
شماره پیمان:		شماره صفحه: 7 از 11											
053 - 073 – 9184		BK	GCS	HY	تجهیزات		رشته	نوع مترک	سریال	نسخه			
					120	IN	LI	0003	V06				
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark			
56	IC-C-TT-22148	C-TT-22148	JBU-A-2103B	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar Warning DE			
57	IC-C-TT-22158	C-TT-22158		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar Warning HDE			
58	IC-C-TT-22168	C-TT-22168		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar			
59	IC-C-TT-22178	C-TT-22178		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar			
60	IC-C-TT-22188	C-TT-22188		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar			
61	IC-C-TT-22198	C-TT-22198		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar			
62	IC-C-TT-22208	C-TT-22208		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar			
63	IC-C-TT-22218	C-TT-22218		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	20	M20	IS	Supply by Havayar			
64	IC-C-VT-22008	C-VT-22008		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar			
65	IC-C-VT-22018	C-VT-22018		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar			
66	IC-C-VT-22028	C-VT-22028		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar			
67	MC-JBU-A-2103B	JBU-A-2103B		UCP-2101B	19x2x1mm ²	CJ,PVC,SC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	–	M50	IS	Out of Havayar scope of work (By Hiran)		
68	IC-M-2101-A	M-2101-A Motor Aux JB		UCP-2101B	12x3x1.5mm ²	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M50	NIS	Out of Havayar scope of work (By Hiran Electrical) Winding RTD cable		
69	MC-LCP-2101B1	LCP-2101B		UCP-2101B	19x2x1mm ²	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M50	NIS	Out of Havayar scope of work (By Hiran)		
70	MC-LCP-2101B2	LCP-2101B	UCP-2101B	19x2x1mm ²	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M50	NIS	Out of Havayar scope of work (By Hiran)			
71	MC-LCP-2101B3	LCP-2101B	UCP-2101B	19x2x1mm ²	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M50	NIS	Out of Havayar scope of work (By Hiran)			
72	MC-LCP-2101B4	LCP-2101B	UCP-2101B	19x2x1mm ²	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M50	NIS	Out of Havayar scope of work (By Hiran)			
73	MC-LCP-2101B5	LCP-2101B	UCP-2101B	12x2x1mm ²	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M40	NIS	Out of Havayar scope of work (By Hiran)			
74	MC-LCP-2101B6	LCP-2101B	UCP-2101B	3x2.5mm ²	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M25	NIS	Out of Havayar scope of work (By Hiran)			
75	*MC-MCC-2101B1	Client IRP	UCP-2101B OIL HEATER ESD Command	12core X 2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M25	NIS	Out of Havayar scope of work (By Hiran Electrical Dep)			
76			UCP-2101B OIL HEATER Stop Command										
77			UCP-2101B OIL HEATER Start Command										
78			UCP-2101B OIL HEATER Running Status										
79			UCP-2101B OIL HEATER Fault Status										
80	*MC-MCC-2101B2	Client IRP	UCP-2101B AUX OIL PUMP ESD Command	12core X 2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M25	NIS	Out of Havayar scope of work (By Hiran Electrical Dep)			
81			UCP-2101B AUX OIL PUMP Stop Command										
82			UCP-2101B AUX OIL PUMP Start Command										
83			UCP-2101B AUX OIL PUMP Running Status										
84			UCP-2101B AUX OIL PUMP Fault Status										
85	*MC-MCC-2101B3	Client IRP	UCP-2101B LUBRICATOR HEATER ESD Command	12core X 2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M25	NIS	Out of Havayar scope of work (By Hiran Electrical Dep)			
86			UCP-2101B LUBRICATOR HEATER Stop Command										
87			UCP-2101B LUBRICATOR HEATER Start Command										
88			UCP-2101B LUBRICATOR HEATER Running Status										
89			UCP-2101B LUBRICATOR HEATER Fault Status										
90	*MC-MCC-2101B4	Client IRP	UCP-2101B LUBRICATOR MOTOR ESD Command	12core X 2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M25	NIS	Out of Havayar scope of work (By Hiran Electrical Dep)			
91			UCP-2101B LUBRICATOR MOTOR Stop Command										
92			UCP-2101B LUBRICATOR MOTOR Start Command										
93			UCP-2101B LUBRICATOR MOTOR Running Status										
94			UCP-2101B LUBRICATOR MOTOR Fault Status										
95	*MC-MCC-2101B5	Client IRP	UCP-2101B MAIN MOTOR ESD Command	12core X 2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M25	NIS	Out of Havayar scope of work (By Hiran Electrical Dep)			
96			UCP-2101B MAIN MOTOR Stop Command										
97			UCP-2101B MAIN MOTOR Start Command										
98			UCP-2101B MAIN MOTOR Running Status										
99			UCP-2101B MAIN MOTOR Fault Status										
100	*MC-MCC-2101B6	Client IRP	UCP-2101B OIL COOLER MOTOR A ESD Command	12core X 2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M25	NIS	Out of Havayar scope of work (By Hiran Electrical Dep)			
101			UCP-2101B OIL COOLER MOTOR A Stop Command										
102			UCP-2101B OIL COOLER MOTOR A Start Command										
103			UCP-2101B OIL COOLER MOTOR A Running Status										
104			UCP-2101B OIL COOLER MOTOR A Fault Status										

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (BK-HD-GCS-CO-0008_03_فراراد)							 HAVAYAR INDUSTRIAL GROUP					
		INSTRUMENT CABLE LIST												
شماره پیمان:		پروژه	پسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه : 8 از 11				
053 - 073 – 9184		BK	GCS	HY	120	IN	LI	0003	V16					
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark				
105	*MC-MCC-2101B7	Client IRP	UCP-2101B MAIN WATER PUMP ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)				
106			UCP-2101B MAIN WATER PUMP Stop Command											
107			UCP-2101B MAIN WATER PUMP Start Command											
108			UCP-2101B MAIN WATER PUMP Running Status											
109			UCP-2101B MAIN WATER PUMP Fault Status											
110	*MC-MCC-2101B8	Client IRP	UCP-2101B AUX WATER PUMP ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)				
111			UCP-2101B AUX WATER PUMP Stop Command											
112			UCP-2101B AUX WATER PUMP Start Command											
113			UCP-2101B AUX WATER PUMP Running Status											
114			UCP-2101B AUX WATER PUMP Fault Status											
115	*MC-MCC-2101B9	Client IRP	UCP-2101B WATER HEATER ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)				
116			UCP-2101B WATER HEATER Stop Command											
117			UCP-2101B WATER HEATER Start Command											
118			UCP-2101B WATER HEATER Running Status											
119			UCP-2101B WATER HEATER Fault Status											
120	*MC-MCC-2101B10	Client IRP	UCP-2101B WATER COOLER A ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)				
121			UCP-2101B WATER COOLER A Stop Command											
122			UCP-2101B WATER COOLER A Start Command											
123			UCP-2101B WATER COOLER A Running Status											
124			UCP-2101B WATER COOLER A Fault Status											
125	*MC-MCC-2101B11	Client IRP	UCP-2101B BARRING MOTOR ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)				
126			UCP-2101B BARRING MOTOR Stop Command											
127			UCP-2101B BARRING MOTOR Start Command											
128			UCP-2101B BARRING MOTOR Running Status											
129			UCP-2101B BARRING MOTOR Fault Status											
130	*MC-MCC-2101B12	Client IRP	UCP-2101B OIL COOLER MOTOR B	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)				
131			UCP-2101B OIL COOLER MOTOR B Stop Command											
132			UCP-2101B OIL COOLER MOTOR B Start Command											
133			UCP-2101B OIL COOLER MOTOR B Running Status											
134			UCP-2101B OIL COOLER MOTOR B Fault Status											
135	MC-ESD-2101B	ESD	UCP-2101B	7x2x1mm ²	CU,PVC,OSC,PVC,FIRE RESISTANT	Gray Red Strip	-	M32	NIS	Out of Havayar scope of work (By Hiran)				
136	MC-DCS-2101B	DCS	UCP-2101B	12x2x1mm ²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	-	M40	NIS	Out of Havayar scope of work (By Hiran)				
137	IC-PT-2121B	DCS	UCP-2101B	1x2x1.5mm ²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	-	M20	NIS	Out of Havayar scope of work (By Hiran) Spill Back				
138	IC-C-VS-2205B	C-VS-2205B	JBU-D-2102B	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
139	IC-C-VS-2206B	C-VS-2206B		1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
140	IC-C-VS-2207B	C-VS-2207B		1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
141	MC-JBU-D-2102B	JBU-D-2102B		UCP-2101B	7x2x1mm ²	CU,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	-	M32	NIS	Out of Havayar scope of work (By Hiran)			

		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و انبیه تحت الارض												
		خرید پنچ های کمپرسور گاز (رقت و برقتش) بینک (فراردهد 03_0008-BK-HD-GCS-CO)												
		INSTRUMENT CABLE LIST												
شماره پیمان:		پروژه	پسته کاری	صادرکننده	تسهیلات	رشته	نوع متریک	سریال	نسخه	شماره صفحه: 9 از 11				
053 - 073 – 9184		BK	GCS	HY	120	IN	LI	0003	V%					
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark				
1	IC-C-PSOV-2201C	JBU-S-2101C	C-PSOV-2201C	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
2	IC-C-PSOV-2202C		C-PSOV-2202C	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
3	IC-C-PSOV-2203C		C-PSOV-2203C	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
4	IC-C-PSOV-2204C		C-PSOV-2204C	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
5	IC-C-PSOV-2205C		C-PSOV-2205C	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
6	MC-JBU-S-2101C	UCP-2101C	JBU-S-2101C	7x2x2.5mm ³	CU,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M40	NIS	Out of Havayar scope of work (By Hiran)				
7	IC-C-TS-2191C	C-TS-2191C	JBU-D-2101C	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar				
8	IC-C-TS-2194C	C-TS-2194C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar				
9	IC-C-PS-2133C	C-PS-2133C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar				
10	IC-C-PS-2204C	C-PS-2204C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar				
11	IC-C-PS-2220C	C-PS-2220C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar				
12	MC-JBU-D-2101C	JBU-D-2101C	UCP-2101C	7x2x1mm ²	CU,PVC,SC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	–	M32	NIS	Out of Havayar scope of work (By Hiran)				
13	IC-FT-2121C	FT-2121C	JBU-A-2103 (Hiran JB)	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
14	IC-TT-2122C	TT-2122C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
15	IC-PDT-2122C	PDT-2122C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
16	IC-PT-2123C	PT-2123C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
17	IC-TT-2123C	TT-2123C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
18	IC-PT-2124C	PT-2124C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
19	IC-FT-2131C	FT-2131C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
20	IC-TT-2132C	TT-2132C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
21	IC-PT-2132C	PT-2132C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
22	IC-PDT-2132C	PDT-2132C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
23	IC-TT-2133C	TT-2133C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
24	IC-PT-2133C	PT-2133C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
25	IC-PCVY-2123C	PCVY-2123C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
26	IC-PCVY-2123C	PCVY-2123C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item				
27	MC-JBU-A-2103	JBU-A-2103	UCP-2101C	19x2x1mm ²	CU,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Blue	–	M50	IS	Out of Havayar scope of work (By Hiran)				
28	IC-C-TE-2214C	C-TE-2214C	C-TT-2214C	1x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
29	IC-C-TE-2215C	C-TE-2215C	C-TT-2215C	1x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
30	IC-C-TE-2216C	C-TE-2216C	C-TT-2216C	1x3x1.5mm ²	Special Cable-RTD cable 3x0.5mm ²	Blue	10	M20	IS	Supply by Havayar				
31	IC-C-TE-2217C	C-TE-2217C	C-TT-2217C	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar				
32	IC-C-TE-2218C	C-TE-2218C	C-TT-2218C	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar				
33	IC-C-TE-2219C	C-TE-2219C	C-TT-2219C	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar				
34	IC-C-TE-2220C	C-TE-2220C	C-TT-2220C	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	–	M20	N/A	Supply by Havayar				
35	IC-C-TT-2203C	C-TT-2203C	JBU-A-2101C	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
36	IC-C-TT-2213C	C-TT-2213C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar				
37	IC-C-PT-2204C	C-PT-2204C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
38	IC-C-PT-2220C	C-PT-2220C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
39	IC-C-LT-2213C	C-LT-2213C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
40	IC-C-TT-2191C	C-TT-2191C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
41	IC-C-TT-2194C	C-TT-2194C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
42	IC-C-PT-2201C	C-PT-2201C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
43	IC-C-PT-2210C	C-PT-2210C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
44	IC-C-PT-2211C	C-PT-2211C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
45	IC-C-PT-2212C	C-PT-2212C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
46	IC-C-PT-2200C	C-PT-2200C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
47	IC-C-LT-2200C	C-LT-2200C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
48	IC-C-FT-2206C	C-FT-2206C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar				
49	IC-C-TT-2204C	C-TT-2204C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar				
50	IC-C-PDT-2204C	C-PDT-2204C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar				
51	MC-JBU-A-2101C	JBU-A-2101C	UCP-2101C	19x2x1mm ²	CU,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Blue	–	M50	IS	Out of Havayar scope of work (By Hiran)				
52	IC-C-ZT-2200C	C-ZT-2200C	JBU-A-2102C	Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8	M20	N/A	Supply by Havayar				
53	IC-C-ZT-2201C	C-ZT-2201C		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8	M20	N/A	Supply by Havayar				
54	IC-C-KT-2200C	C-KT-2200C		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8.5	M20	N/A	Supply by Havayar				
55	MC-JBU-A-2102C	JBU-A-2102C	UCP-2101C	7x3x1mm ²	CU,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Blue	–	M40	IS	Out of Havayar scope of work (By Hiran)				

		نگهداشت و افزایش تولید میدان نفتی بینک سطح اراض و آبپه تحت اراض										
شماره پیمان:		INSTRUMENT CABLE LIST										
053 - 073 – 9184		پروره	پسته کاری	صاندرکنده	تسهيلات	رشته	نوع مترک	سریال	نسخه	شماره صفحه: 10 از 11		
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark		
56	IC-C-TT-2214C	C-TT-2214C	JBU-A-2103C	1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar Reating DE		
57	IC-C-TT-2215C	C-TT-2215C		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar Reating NDE		
58	IC-C-TT-2216C	C-TT-2216C		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar		
59	IC-C-TT-2217C	C-TT-2217C		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar		
60	IC-C-TT-2218C	C-TT-2218C		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar		
61	IC-C-TT-2219C	C-TT-2219C		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar		
62	IC-C-TT-2220C	C-TT-2220C		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar		
63	IC-C-TT-2221C	C-TT-2221C		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	20	M20	IS	Supply by Havayar		
64	IC-C-VT-2200C	C-VT-2200C		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar		
65	IC-C-VT-2201C	C-VT-2201C		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar		
66	IC-C-VT-2202C	C-VT-2202C		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	10	M20	IS	Supply by Havayar		
67	MC-JBU-A-2103C	JBU-A-2103C		UCP-2101C	19x2x1mm^2	CJ,PVC,SC,OSC,SWA,PVC,FIRE RESISTANT	Blue Red Strip	–	M50	IS	Out of Havayar scope of work (By Hiran)	
68	IC-M-2101-A	M-2101-A Motor Aux JB	UCP-2101C	12x3x1.5mm^2	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M50	NIS	Out of Havayar scope of work (By Hiran Electrical) Winding RTD cable		
69	MC-LCP-2101C1	LCP-2101C	UCP-2101C	19x2x1mm^2	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M50	NIS	Out of Havayar scope of work (By Hiran)		
70	MC-LCP-2101C2	LCP-2101C	UCP-2101C	19x2x1mm^2	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M50	NIS	Out of Havayar scope of work (By Hiran)		
71	MC-LCP-2101C3	LCP-2101C	UCP-2101C	19x2x1mm^2	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M50	NIS	Out of Havayar scope of work (By Hiran)		
72	MC-LCP-2101C4	LCP-2101C	UCP-2101C	19x2x1mm^2	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M50	NIS	Out of Havayar scope of work (By Hiran)		
73	MC-LCP-2101C5	LCP-2101C	UCP-2101C	12x2x1mm^2	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M40	NIS	Out of Havayar scope of work (By Hiran)		
74	MC-LCP-2101C6	LCP-2101C	UCP-2101C	3x2.5mm^2	CJ,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	–	M25	NIS	Out of Havayar scope of work (By Hiran)		
75	*MC-MCC-2101C1	Client IRP	UCP-2101C OIL HEATER ESD Command	12core X 2.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M25	NIS	Out of Havayar scope of work (By Hiran Electrical Dep)		
76			UCP-2101C OIL HEATER Stop Command									
77			UCP-2101C OIL HEATER Start Command									
78			UCP-2101C OIL HEATER Running Status									
79			UCP-2101C OIL HEATER Fault Status									
80	*MC-MCC-2101C2	Client IRP	UCP-2101C AUX OIL PUMP ESD Command	12core X 2.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M25	NIS	Out of Havayar scope of work (By Hiran Electrical Dep)		
81			UCP-2101C AUX OIL PUMP Stop Command									
82			UCP-2101C AUX OIL PUMP Start Command									
83			UCP-2101C AUX OIL PUMP Running Status									
84			UCP-2101C AUX OIL PUMP Fault Status									
85	*MC-MCC-2101C3	Client IRP	UCP-2101C LUBRICATOR HEATER ESD Command	12core X 2.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M25	NIS	Out of Havayar scope of work (By Hiran Electrical Dep)		
86			UCP-2101C LUBRICATOR HEATER Stop Command									
87			UCP-2101C LUBRICATOR HEATER Start Command									
88			UCP-2101C LUBRICATOR HEATER Running Status									
89			UCP-2101C LUBRICATOR HEATER Fault Status									
90	*MC-MCC-2101C4	Client IRP	UCP-2101C LUBRICATOR MOTOR ESD Command	12core X 2.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M25	NIS	Out of Havayar scope of work (By Hiran Electrical Dep)		
91			UCP-2101C LUBRICATOR MOTOR Stop Command									
92			UCP-2101C LUBRICATOR MOTOR Start Command									
93			UCP-2101C LUBRICATOR MOTOR Running Status									
94			UCP-2101C LUBRICATOR MOTOR Fault Status									
95	*MC-MCC-2101C5	Client IRP	UCP-2101C MAIN MOTOR ESD Command	12core X 2.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M25	NIS	Out of Havayar scope of work (By Hiran Electrical Dep)		
96			UCP-2101C MAIN MOTOR Stop Command									
97			UCP-2101C MAIN MOTOR Start Command									
98			UCP-2101C MAIN MOTOR Running Status									
99			UCP-2101C MAIN MOTOR Fault Status									
100	*MC-MCC-2101C6	Client IRP	UCP-2101C OIL COOLER MOTOR A ESD Command	12core X 2.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	–	M25	NIS	Out of Havayar scope of work (By Hiran Electrical Dep)		
101			UCP-2101C OIL COOLER MOTOR A Stop Command									
102			UCP-2101C OIL COOLER MOTOR A Start Command									
103			UCP-2101C OIL COOLER MOTOR A Running Status									
104			UCP-2101C OIL COOLER MOTOR A Fault Status									

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (قرارداد 03_0008-BK-HD-GCS-CO)							 HAVAYAR INDUSTRIAL GROUP						
		INSTRUMENT CABLE LIST													
شماره پیمان:											شماره صفحه : 11 از 11				
		پروژه	BK	پسته کاری	GCS	HY	تسهیلات	120	رشته	IN				نوع مدرک	LI
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark					
105	*MC-MCC-2101C7	Client IRP	UCP-2101C MAIN WATER PUMP ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)					
106			UCP-2101C MAIN WATER PUMP Stop Command												
107			UCP-2101C MAIN WATER PUMP Start Command												
108			UCP-2101C MAIN WATER PUMP Running Status												
109			UCP-2101C MAIN WATER PUMP Fault Status												
110	*MC-MCC-2101C8	Client IRP	UCP-2101C AUX WATER PUMP ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)					
111			UCP-2101C AUX WATER PUMP Stop Command												
112			UCP-2101C AUX WATER PUMP Start Command												
113			UCP-2101C AUX WATER PUMP Running Status												
114			UCP-2101C AUX WATER PUMP Fault Status												
115	*MC-MCC-2101C9	Client IRP	UCP-2101C WATER HEATER ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)					
116			UCP-2101C WATER HEATER Stop Command												
117			UCP-2101C WATER HEATER Start Command												
118			UCP-2101C WATER HEATER Running Status												
119			UCP-2101C WATER HEATER Fault Status												
120	*MC-MCC-2101C10	Client IRP	UCP-2101C WATER COOLER A ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)					
121			UCP-2101C WATER COOLER A Stop Command												
122			UCP-2101C WATER COOLER A Start Command												
123			UCP-2101C WATER COOLER A Running Status												
124			UCP-2101C WATER COOLER A Fault Status												
125	*MC-MCC-2101C11	Client IRP	UCP-2101C BARRING MOTOR ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)					
126			UCP-2101C BARRING MOTOR Stop Command												
127			UCP-2101C BARRING MOTOR Start Command												
128			UCP-2101C BARRING MOTOR Running Status												
129			UCP-2101C BARRING MOTOR Fault Status												
130	*MC-MCC-2101C12	Client IRP	UCP-2101C OIL COOLER MOTOR B	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work ((By Hiran Electrical Dep)					
131			UCP-2101C OIL COOLER MOTOR B Stop Command												
132			UCP-2101C OIL COOLER MOTOR B Start Command												
133			UCP-2101C OIL COOLER MOTOR B Running Status												
134			UCP-2101C OIL COOLER MOTOR B Fault Status												
135	MC-ESD-2101C	ESD	UCP-2101C	7x2x1mm²	CU,PVC,OSC,PVC,FIRE RESISTANT	Gray Red Strip	-	M32	NIS	Out of Havayar scope of work (By Hiran)					
136	MC-DCS-2101C	DCS	UCP-2101C	12x2x1mm²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	-	M40	NIS	Out of Havayar scope of work (By Hiran)					
137	IC-PT-2121C	DCS	UCP-2101C	1x2x1.5mm²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	-	M20	NIS	Out of Havayar scope of work (By Hiran) Spill Back					
138	IC-C-VS-2205C	C-VS-2205C	JBU-D-2102C	1x2x2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar					
139	IC-C-VS-2206C	C-VS-2206C		1x2x2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar					
140	IC-C-VS-2207C	C-VS-2207C		1x2x2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar					
141	MC-JBU-D-2102C	JBU-D-2102C	UCP-2101C	7x2x1mm²	CU,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Gray	-	M32	NIS	Out of Havayar scope of work (By Hiran)					