SPECIFICATION NO. EDTS 254, REV-J

SPECIFICATION FOR 'HARNESS OF UNDERFRAME AND ROOF ARRANGEMENT' FOR LHB EOG FIRST AC COACHES.

- 1.0 This specification covers manufacturing, assembly and supply of ready made `CABLE HARNESSES' for UNDERFRAME AND ROOF ARRANGEMENT' FOR LHB EOG FIRST AC COACHES. These harnesses shall comprise of thin walled flexible elastomeric cables with copper conductors duly cut to specified lengths and ferruled for cable identification. The free ends of the cables shall be stripped & taped with FRLT cotton insulation tapes of approved makes.
- **1.1** The harness manufacturer shall quote separately for supply & commissioning of the harness as under :
 - a). Budgetary quote of the harness without commissioning.
 - b). Budgetary quote of the harness with commissioning in the coach at RCF.
- **1.2** The firm shall maintain date wise in-house quality control system and in-house quality control records etc. for in-stage process inspection & testing at harness manufacturer premises and the same shall be made available to the inspecting official during type testing.

2.0 Scope of supply:

TYPE	Description
TYPE-1	HARNESS OF UNDERFRAME ARRANGEMENT' FOR LHB AC/EOG FIRST
	AC COACHES
TYPE-2	HARNESS OF ROOF ARRANGEMENT' FOR LHB AC/EOG AC FIRST AC
	COACHES

- (i) Procurement of the items specified in the BOM of the specification shall be from RDSO/RCF/ICF approved vendors mentioned in latest version of the vendor directory issued by RCF/ICF/RDSO respectively.
- (ii) Items should be procured from RCF/ICF/RDSO approved sources.

2.1 TYPE-1: HARNESS OF UNDERFRAME ARRANGEMENT' FOR LHB AC/EOG FIRST AC COACHES

2.1 (a) : BILL OF MATERIAL

Bill of material for Under Frame shall be as per following details:

A) THIN WALLED FLEXIBLE ELASTOMERIC CABLES WITH COPPER CONDUCTORS & ACCESSORIES:-

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S.NO.	DESCRIPTION	CABLE SIZE mm ²	DETAIL DRG/SPEC	OPC/ COACH	REMARKS/ LOCATION
1.	Thin walled flexible elastomeric cables with copper conductors color 'Red' above 750 V to 1.8/3.0 KV.	150	ELRS/SPEC/ELC/0019 Rev.3.	49 Mt	Feeder cables
2.	Thin walled flexible elastomeric cables with copper conductors color 'Yellow' above 750 V to 1.8/3.0 KV.	150	ELRS/SPEC/ELC/0019 Rev.3.	49 Mt	Feeder cables
3.	Thin walled flexible elastomeric cables with copper conductors color 'Blue' above 750 V to 1.8/3.0 KV.	150	ELRS/SPEC/ELC/0019 Rev.3.	49 Mt	Feeder cables
4.	Thin walled flexible elastomeric cables with copper conductors color 'Black' above 750 V to 1.8/3.0 KV.	95	ELRS/SPEC/ELC/0019 Rev.3.	49 Mt	Feeder cables
5.	Thin walled flexible elastomeric cables with copper conductors color 'GNYE' upto 750 V	70	ELRS/SPEC/ELC/0019 Rev.3.	7.1 Mt.	For feeder earthing
6.	Thin walled flexible elastomeric cables with copper conductors color 'Red' above 750 V to 1.8/3.0 KV.	50	ELRS/SPEC/ELC/0019 Rev.3.	13 Mt.	Feeder junction boxes to SBC
7.	Thin walled flexible elastomeric cables with copper conductors color 'Yellow' above 750 V to 1.8/3.0 KV.	50	ELRS/SPEC/ELC/0019 Rev.3.	13 Mt.	Feeder junction boxes to SBC

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8.	Thin walled flexible elastomeric cables with copper conductors color 'Blue' above 750 V to 1.8/3.0 KV.	50	ELRS/SPEC/ELC/0019 Rev.3.	13 Mt.	Feeder junction boxes to SBC
9.	Thin walled flexible elastomeric cables with copper conductors color 'Black' above 750 V to 1.8/3.0 KV.	50	ELRS/SPEC/ELC/0019 Rev.3.	13 Mt.	Feeder junction boxes to SBC
10.	Thin walled flexible elastomeric cables with copper conductors color 'Red' upto 750 V	50	ELRS/SPEC/ELC/0019 Rev.3.	15 Mt.	60 KVA TXR output
11.	Thin walled flexible elastomeric cables with copper conductors color 'Yellow' upto 750 V.	50	ELRS/SPEC/ELC/0019 Rev.3.	15 Mt.	60 KVA TXR output
12.	Thin walled flexible elastomeric cables with copper conductors color 'Blue' upto 750 V.	50	ELRS/SPEC/ELC/0019 Rev.3.	15 Mt.	60 KVA TXR output
13.	Thin walled flexible elastomeric cables with copper conductors color 'Black' upto 750 V.	50	ELRS/SPEC/ELC/0019 Rev.3.	15 Mt.	60 KVA TXR output
14.	Thin walled flexible elastomeric cables with copper conductors color 'White' upto 750 V	50	ELRS/SPEC/ELC/0019 Rev.3.	2.5 mt.	-Ve fuse box
15.	Thin walled flexible elastomeric cables with copper conductors color 'Chocolate' upto 750 V	50	ELRS/SPEC/ELC/0019 Rev.3.	2.5 mt.	+Ve fuse box

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10	Thin walled flexible	50	ELRS/SPEC/ELC/0019	0.5 mt.	Earthing
16.	elastomeric cables		Rev.3.		
	with copper				
	conductors color				
	'GNYE' upto				-
	750 V			40 5 111	60 1014
17.	Thin walled flexible	25	ELRS/SPEC/ELC/0019	13.5 Mt.	60 KVA TXR input
	elastomeric cables		Rev.3.		1AK Iliput
	with copper				
	conductors color				
	'Red' above 750 V to	•			
18.	1.8/3.0 KV. Thin walled flexible	25	ELRS/SPEC/ELC/0019	13.5 Mt.	60 KVA
10.	elastomeric cables		Rev.3.		TXR input
•	with copper		,		
	conductors color				
	'Yellow' above 750 V				
	to 1.8/3.0 KV.				
19.	Thin walled flexible	25	ELRS/SPEC/ELC/0019	13.5 Mt.	60 KVA
	elastomeric cables		Rev.3.		TXR input
	with copper				
	conductors color	į (·		
3-	'Blue' above 750 V to 1.8/3.0 KV.				•
20.	Thin walled flexible	25	ELRS/SPEC/ELC/0019	13.5 Mt.	60 KVA
20.	elastomeric cables		Rev.3.	•	TXR input
	with copper				1
	conductors color				•
	'Black' above 750 V				
	to 1.8/3.0 KV.			0.4.141	
21.	Thin walled flexible	25	ELRS/SPEC/ELC/0019	34 Mt.	Pre-cooling cable
	elastomeric cables		Rev.3.		Capie
	with copper conductors color	1			
	conductors color 'Red' upto 750 V				:
22.	Thin walled flexible	25	ELRS/SPEC/ELC/0019	34 Mt.	Pre-cooling
	elastomeric cables		Rev.3.		cable
	with copper				
	conductors color				-
	'Yellow' upto				1
	750 V				
23.	Thin walled flexible	25	ELRS/SPEC/ELC/0019	34 Mt.	Pre-cooling
	elastomeric cables		Rev.3.		cables
	with copper				
	conductors color 'Blue' upto 750 V			-	
	piue upto 750 v	1	1		

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24.	Thin walled flexible elastomeric cables with copper conductors color 'Black' upto 750 V	25	ELRS/SPEC/ELC/0019 Rev.3.	34 Mt.	Pre-cooling cables
25.	Thin walled flexible elastomeric cables with copper conductors color 'White' upto 750 V	25	ELRS/SPEC/ELC/0019 Rev.3.	45 mt.	Under slung RBC
26.	Thin walled flexible elastomeric cables with copper conductors color 'Chocolate' upto 750 V	25	ELRS/SPEC/ELC/0019 Rev.3.	27 mt.	Under slung RBC
27.	Thin walled flexible elastomeric cables with copper conductors color 'GNYE' upto 750 V	16	ELRS/SPEC/ELC/0019 Rev.3.	3.5 mt.	Earthing
28.	Thin walled flexible elastomeric cables with copper conductors color 'White' upto 750 V	10	ELRS/SPEC/ELC/0019 Rev.3.	15 mt.	-ve fuse box
29.	Thin walled flexible elastomeric cables with copper conductors color 'Red' upto 750 V	6	ELRS/SPEC/ELC/0019 Rev.3.	15 mt	Under slung RBC
30.	Thin walled flexible elastomeric cables with copper conductors color Yellow' upto 750 V	6	ELRS/SPEC/ELC/0019 Rev.3.	15 mt	Under slung RBC
31.	Thin walled flexible elastomeric cables with copper conductors color 'Blue' upto 750 V	6	ELRS/SPEC/ELC/0019 Rev.3.	15 mt	Under slung RBC

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32.	Thin walled flexible elastomeric cables with copper conductors color 'Red' upto 750 V	4	ELRS/SPEC/ELC/0019 Rev.3.	15 mt	5kva o/p
33.	Thin walled flexible elastomeric cables with copper conductors color 'Yellow' upto 750 V	4	ELRS/SPEC/ELC/0019 Rev.3.	15 mt	5kva o/p
34.	Thin walled flexible elastomeric cables with copper conductors color 'Blue' upto 750 V	4	Rev.3.	15 mt	5kva o/p
35.	Thin walled flexible elastomeric cables with copper conductors color 'Black' upto 750 V	4	ELRS/SPEC/ELC/0019 Rev.3.	15 mt	5kva o/p
36.	Thin walled flexible elastomeric cables with copper conductors color 'Red' upto 750 V	2.5	ELRS/SPEC/ELC/0019 Rev.3.	15 mt	5kva i/p
37.	Thin walled flexible elastomeric cables with copper conductors color 'Yellow' upto 750 V	2.5	ELRS/SPEC/ELC/0019 Rev.3.	15 mt	5kva i/p
38.	Thin walled flexible elastomeric cables with copper conductors color 'Blue' upto 750 V	2.5	ELRS/SPEC/ELC/0019 Rev.3.	15 mt	5kva i/p
39.	Thin walled flexible elastomeric cables with copper conductors color 'Chocolate' upto 750 V	2.5	ELRS/SPEC/ELC/0019 Rev.3.	102 mt	Feeder control cables
40.	Thin walled flexible elastomeric cables with copper conductors color 'GNYE' upto 750 V	2.5	ELRS/SPEC/ELC/0019 Rev.3.	2.0 mt	Earthing

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41.	Thin walled flexible elastomeric cables with copper conductors color 'Red' upto 750 V	1.5	ELRS/SPEC/ELC/0019 Rev.3.	132 mt	СР
42.	Thin walled flexible elastomeric cables with copper conductors color 'Yellow' upto 750 V	1.5	ELRS/SPEC/ELC/0019 Rev.3.	132 mt	СР
43.	Thin walled flexible elastomeric cables with copper conductors color 'Blue' upto 750 V	1.5	ELRS/SPEC/ELC/0019 Rev.3.	132 mt	СР
44.	Thin walled flexible elastomeric cables with copper conductors color 'White' upto 750 V	1.5	ELRS/SPEC/ELC/0019 Rev.3.	47 mt	fuse box -ve
45.	Thin walled flexible elastomeric cables with copper conductors color 'Chocolate' upto 750 V	1.5	ELRS/SPEC/ELC/0019 Rev.3.	63 mt.	Fuse box +ve
46.	4x1.5 sqmm multicore cable E-beam cable 600/1000 V colour Wh,Br,Blk,GNYE	4x1.5	EDTS 132, Rev-\ C ' AM-4 (DS-4)	39 mt.	Pump cables
47.	2x1.0 sqmm multicore cables 600/1000 V colour Br,Wh	2x1.0	EDTS 132, Rev-` C ' AM-4 (DS-4)	39 mt.	Pump control cables
48.	Cable marking system i.e Heat shrinkable sleeves.	M/S TYCO/ Phoenix/ Panduit/ MV make	EDML-60 (Latest revision)	1no.	Col-VI
49.	Copper crimping socket for 70 sq.mm cable.	-	EDTS200 (Latest revision)	20no.	ITEM-7
50.	Copper crimping socket for 50 sq.mm cable.	-	EDTS200 (Latest revision)	7no.	ITEM-IO

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51.	Copper crimping socket for 50 sq.mm		EDTS200 (Latest revision)	5no.	ITEM-I1
52.	cable. Copper crimping	_	EDTS200	8 no.	ITEM-I3
32.	socket for 25 sq.mm cable.		(Latest revision)	0 110.	TILITIS
53.	Copper crimping socket for 25 sq.mm cable.		EDTS200 (Latest revision)	4 no.	ITEM-I4
54.	Copper crimping socket for 16 sq.mm cable.	-	EDTS200 (Latest revision)	27 no.	ITEM-15
55.	Copper crimping socket for 16 sq.mm cable.	<u>-</u>	EDTS200 (Latest revision)	1 no.	ITEM-I6
56.	Copper crimping socket for 16 sq.mm cable.	-	EDTS200 (Latest revision)	2no.	ITEM-17
57.	Copper crimping socket for 10 sq.mm cable.	-	EDTS201 (Latest revision)	08no.	ITEM-2
58.	Copper crimping socket for 6 sq.mm cable.	-	EDTS201 (Latest revision)	8no.	ITEM-6
59.	Copper crimping socket for 6 sq.mm cable.	-	EDTS201 (Latest revision)	10no.	ITEM-5
60.	Copper crimping socket for 2.5 sq.mm cable.	-	EDTS201 (Latest revision)	8no.	ITEM-10

B) CONDUIT SYSTEM FOR CABLE MANAGEMENT & ACCESSORIES (UNDER FRAME) Firms supplying these items shall get these tested as per RDSO specification no. RDSO/PE/SPEC/AC/0138-2009,Rev-1.

S.NO.	DESCRIPTION	SPEC NO.	TABLE	S.No.	QPC
61.	Polyamide flexible		A-1	2	5mt
}	corrugated conduit, NW-12				
62.	Polyamide flexible	RDSO/PE/SPEC/AC/	A-1	3	155 mt.
	corrugated conduit, NW-17	0138-2009, Rev.1		:	,
63.	Polyamide flexible	(Annexure-A)	A-1	4	85mt.
	corrugated conduit, NW-23				
64.	Polyamide flexible		A-1	5	57mt.
	corrugated conduit, NW-29			:	

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65.	Polyamide flexible		A-1	6	40mt.
	corrugated conduit, NW-36				
66.	Polyamide flexible		A-1	7	10mt.
	corrugated conduit, NW-48				
67.	Straight PG metal thread		A-2	2	4 nos.
	end fitting PG-11				
68.	Straight PG metal thread	RDSO/PE/SPEC/AC/	A-2	3	26no.
	end fitting PG-16	0138-2009, Rev.1			
69.	Straight PG metal thread	(Annexure-A)	A-2	5	20 no.
	end fitting PG-21				
70.	Straight PG metal thread		A-2	6	4 no.
	end fitting PG-29				
71.	Straight PG metal thread		A-2	7	6no.
	end fitting PG-36				
72.	Straight PG metal thread		A-2	8	2no.
	end fitting PG-48				
73.	Hex. lock nut with PG		A-10	2	4no.
	thread brass PG-11				
74.	Hex. lock nut with PG	RDSO/PE/SPEC/AC/	A-10	4	26no.
	thread brass PG-16	0138-2009, Rev.1			
75.	Hex. lock nut with PG	(Annexure-A)	A-10	5	20 no.
	thread brass PG-21				
76.	Hex. lock nut with PG		A-10	6	4 no.
	thread brass PG-29				
77.	Hex. lock nut with PG		A-10	7	6no.
	thread brass PG-36				
78.	Hex. lock nut with PG		A-10	8	2no.
	thread brass PG-48				
79.	Tube clamp NW-12	RDSO/PE/SPEC/AC/	A-8	2.	8 no.
80.	Tube clamp NW-17	0138-2009, Rev.1	A-8	3	48 no.
81.	Tube clamp NW-23	(Annexure-A)	A-8	4	26 no.
82.	Tube clamp NW-29		A-8	6	12 no.
83.	Tube clamp NW-36		A-8	7	19 no.
84.	Tube clamp NW-48		A-8	8	10 no.
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2.1(b). Preparation/Bunching of harness: The preparation / bunching of harness shall be done as per under given details for Under Frame wiring.

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I): FEEDER CABLES

Ia) Feeder -1

H. No.	Nos. & size of cable	Color code	Length in mm	Ferrules marking	Route	Remarks
1	3x150mm ² above 750 V to 1.8/3.0 KV.	R,Y,B	24500	12 01 01.02, 12 01 04.02, 12 01 07.02.	10	Feeder-1 From A17X1 to A18X1
	1x95 mm ² above 750 V to 1.8/3.0 KV.	Blk	24500	12 01 10.02	10	XX
1A	2x2.5mm ² upto 750 V	Ch	25500	46 01.01, 46 01.02	14	Control cables (NW-17=24M)

Ib) Feeder -2

H. No.	Nos. & size of cable	Color code	Length in mm	Ferrules marking	Route	Remarks
18	3x150 mm ² above 750 V to 1.8/3.0 KV.	R,Y,B	24500	12 01 15.02, 12 01 18.02, 12 01 21.02	21	Feeder-2 From A16X1 to A19X1
	1x95 mm ² above 750 V to 1.8/3.0 KV.	Blk	24500	12 01 24.02	21	XX
1C	2x2.5mm ² upto 750 V	Ch	25500	46 01.03, 46 01. 04	25	Control cables (NW-17=24M)

II): FEEDER LOOP CABLES

H. No.	Nos. & size of cable	Colour code	Length in mm	Ferrules marking	Route	:
2	4x50 mm ² above 750 V to 1.8/3.0 KV.	R,Y,B, Blk	7000	12 01 01.01, 12 01 04.01, 12 01 07.01, 12 01 10.01	13	Loop from Feeder to SBC (NW-48=5.5M)
2A	4x50 mm ² above 750 V to 1.8/3.0 KV.	R,Y,B, Blk	6000	12 01 15.01, 12 01 18.01, 12 01 21.01, 12 01 24.01	23	Loop from Feeders to SBC (NW-48=4M)

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III): PRE-COOLING CABLES

H. No.	Nos. & size of cable	Colour code	Length in mm	Ferrules marking	Route	Remarks
3	4x25 mm ² upto 750 V	R,Y,B, Blk	10000	33 01 01.01, 33 01 02.01, 33 01 03.01, 33 01 04.01	46	Pre-cooling socket to SBC (NW-36=6M)
3A	4x25 mm ² upto 750 V	R,Y,B, Blk	24000	33 01 06.01, 33 01 07.01, 33 01 08.01, 33 01 04.02	45	Pre-cooling socket to SBC (NW-36=21.5M)

IV): 60 KVA TRANSFORMER CABLES

H. No.	Nos. & size of cable	Colour code	Length in mm	Ferrules marking	Route	Remarks
4	4x25 mm ² above 750 V to 1.8/3.0 KV.	R,Y,B, Blk	13500	12 01 12.02, 12 01 13.02, 12 01 14.02, 12 01 11.02	30	Input cables S1 to S7 (NW-29=10.5M)
4A	4x50 mm ² upto 750 V	R,Y,B, Blk	15000	12 02 06.01, 12 02 07.01, 12 02 08.01, 12 02 09.01	31	Out put cables S7 to S1 (NW-36=12M)

V) <u>PUMP CABLES</u>

H.	Nos. & size of	Colour	Length	Ferrules marking	Route	Remarks
No.	cable	code	in mm			
5	4x1.5 mm ²	W,Br,	19500	33 08 02.02,	50	
	multi-core	Blk,		33 08 04.02,		Pump cables/
	(DS-4)	GNYE		33 08 06.02,		controller cables
*				33 08 07 02		
	4x1.5 mm ²	W,Br,	19500	33 08 ⁻ 02.02,		(NW-29=15.5M)
	multi-core	Blk,		33 08 04.02,		
	(DS-4)	GNYE		33 08 06.02,		
				33 08 07.02		
	2x1.0 mm ²	Br,W	19500	33 08 10.01,		
	multi-core			33 08 11.01		
	(DS-4)					
	2x1.0 mm ²	Br,W	19500	33 08 10.01,		
	multi-core			33 08 11.01		
	(DS-4)					

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VI) DC CIRCUIT CABLES

Н.	Nos. & size of	Color	Length in mm	Ferrules marking	Route	Remarks
No.	cable 2x1.5mm ² upto 750 V	Ch	2500	32 02 04 02, 32.01.05.02	35	Bat. fuse box +ve to Bat. Box (NW-17=1M)
6A	1x25 mm ² upto 750 V	Ch	12000	32 01 10.01	36	Bat. Charger to Bat.fuse box +ve (NW-23=9M)
6B	1x50 mm ² upto 750 V	Ch	2500	32 01 09	38	Bat. fuse box +ve to Bat. Box (NW-23=1M)
6C	4x1.5mm ² upto 750 V	Ch	12000	32 02 01.01, 32 02 03.01, 32 01 04.01, 32 01 05.01	37	Bat. fuse box +ve to SBC (NW-23=9M)
6D	1x25 mm ² upto 750 V	W	15000	32 01 11.01		Bat. Charger to Bat.fuse box –ve
	1x10 mm ² upto 750 V	W	15000	32 02 06	40	Bat. Fuse box – VE to SBC (NW-23=13M)
6E	1x50 mm ² upto 750 V	W	2500	32 01 08	39	Bat. fuse box -ve to Bat. Box (NW-29=1M)
6F	2x1.5 mm ² upto 750 V	W	16000	32 02 02.01, 32 02 04.01	42	Bat. fuse box -ve to SBC (NW-17=13M)

VII) <u>SPEED SENSOR CABLES</u> (For reference only & not to be supplied by harness manufacturer).

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H. No.	Nos. & size of cable	Colour	Length in mm	Ferrules marking	Route	Remarks
7	3x1.0 mm ² +Shield multi-core (DS-4)	W,Br, Blk	5000	23 03 10.02, 23 03 11.02, 23 03 12.02	81	SBC to connection box VK4 (NW-17=4M)
7A	3x1.0 mm ² +Shield multi-core (DS-4)	W,Br, Blk	9000	23 03 07.02, 23 03 08.02, 23 03 09.02	82	SBC to connection box VK3 (NW-17=6M)
7B	3x1.0 mm ² +Shield multi-core (DS-4)	W,Br, Blk	25000	23 03 01.02, 23 03 02.02, 23 03 03.02	76	SBC to connection box VK1 SBC to

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7C 3x1.0 mm ² +Sh multi-cor (DS-4)		23000	23 03 04.02, 23 03 05.02, 23 03 06.02	75	connection box VK2 (NW-23=15.5M) Loose supply (NW-17=5.5M) (NW-17=2.5M)
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VIII) <u>DISC BRAKE CABLES</u> (For reference only & not to be supplied by harness manufacturer).

H. No.	Nos. & size of cable	Colour code	Length in mm	Ferrules marking	Route	Remarks
8	3x1.0 mm ² +Shield multi-core (DS-4)	W,Br, Blk	20000	23 02 06.01, 23 02 07.01, 23 02 05.06	86	SBC to through box VK5(EVS2/EVR2). (NW-29=15M) Loose supply (NW-17=2M)
8A	3x1.0 mm²+Shield multi-core (DS-4)	W,Br, Blk	20000	23 02 01.01, 23 02 02.01, 23 02 05.04		SBC to through box VK5(EVS1/EVR1).
8B	3x1.0 mm ² +Shield multi-core (DS-4)	W,Br, Blk	10000	23 02 14.01, 23 02 15.01, 23 02 05.10		SBC to through box VK7(EVS4/EVR4). (NW-23=5M) Loose supply (NW-17=2M)
8C	3x1.0 mm ² +Shield multi-core (DS-4)	W,Br, Blk	10000	23 02 10.01, 23 02 11.01, 23 02 05.08	87	SBC to through box VK7(EVS3/EVR3).

IX) AIR BRAKE CABLES (Mech)

H. No.	Nos. & size of cable	Color code	Length in mm	Ferrules marking	Route	Remarks
9	2x1.5 mm ² upto 750 V	W,Ch	15000	_	41	Air Brake mech. Unit (NW-17=11M)

X) **EARTHING CABLES**

H. No.	Nos. & size of cable	Color code	Length in mm	Ferrules marking	Route	Remarks
10	6x70 mm ²	GNYE	500	PE	-	Earthing

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2x70 mm ² upto 750 V	GNYE	1250	PE .	-	Earthing
2x70 mm ²	GNYE	800	PE	-	Earthing
upto 750 V 1x50 mm ²	GNYE	450	PE	-	Earthing
upto 750 V 5x16 mm ² upto 750 V	GNYE	500	PE	-	Earthing
2x16 mm ²	GNYE	300	PE	-	Earthing
upto 750 V 2x16 mm ²	GNYE	200	PE	-	Earthing
upto 750 V 4x2.5 mm ²	GNYE	450	PE		Earthing
upto 750 V					

XI): <u>5 KVA TRANSFORMER CABLES</u>

H. No.	Nos. & size of cable	Colour code	Length in mm	Ferrules marking	Route	Remarks
11	3x2.5 mm ² upto 750 V	R,Y,B	15000	12 01 12.04, 12 01 13.04, 12 01 14.04, 12 01 11.04	30B	Input cables (NW-17=13M)
11A	4x4 mm² upto 750 V	R,Y,B, Blk	15000	12 02 06.03, 12 02 07.03, 12 02 08.03, 12 02 09.03	31B	Output cables (NW-17=13M)

XII): CAPACITOR BANK CABLES

		·		FOR RMF	PU-1		1	
H.No.	Cable Size	Color	Ferrule no.	Length	From	То	Remarks	
12	1.5 mm ² upto 750V	R	33 03 01.01	11000	MCB 2.5A, Ter2	1 KVAR CP-1	Cond-1.1	
	1.5 mm ² upto 750V	Y	33 03 01.02	11000	MCB 2.5A, Ter4			
	1.5 mm ² upto 750V	В	33 03 01.03	11000	MCB 2.5A, Ter6			
12A	1.5 mm ² upto 750V	R	33 03 01.04	11000	MCB 2.5A, Ter2	1 KVAR CP-2	Cond-1.2	=8M)
	1.5 mm ² upto 750V	Y	33 03 01.05	11000	MCB 2.5A, Ter4		1	
	1.5 mm ² upto 750V	В	33 03 01.06	11000	MCB 2.5A, Ter6		1	(NW-23,
12 B	1.5 mm ² upto 750V	R	33 03 01.07	11000	MCB 2.5A, Ter2	1 KVAR CP-3	Vent-1.1	5
	1.5 mm ² upto 750V	Y	33 03 01.08	11000	MCB 2.5A, Ter4		1	
	1.5 mm ² upto 750V	В	33 03 01.09	11000	MCB 2.5A, Ter6		1 1 1	
12 C	1.5 mm ²	R	33 03 01.10	11000	MCB 6A, Ter2	3KVAR	Comp-1.1	

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		r	T	1		CP-4		
	upto 750V		22 22 24 44	11000	MCD CA Tor A			
	1.5 mm ²	Υ	33 03 01.11	11000	MCB 6A, Ter4			į
	upto 750V				MOD CA Tour C	1		
	1.5 mm ²	В	33 03 01.12	11000	MCB 6A, Ter6			
	upto 750V				MOD CA T- 2	210/40	Comp-1.2	-
12 D	1.5 mm ²	R	33 03 01.13	11000	MCB 6A, Ter2	3 KVAR CP-5	Comp-1.2	
	upto 750V					LP-3		
	1.5 mm ²	Υ	33 03 01.14	11000	MCB 6A, Ter4			
]	upto 750V			44000	NACO CA Tou C	-		
	1.5 mm ² .	В	33 03 01.15	11000	MCB 6A, Ter6			
	upto 750V			<u> </u>	1.00 61 = 3		CDADE	
12 E	1.5 mm ²	R	SPARE	11000	MCB 6A, Ter2	-	SPARE	
	upto 750V					_		
	1.5 mm ²	Υ	SPARE	11000	MCB 6A, Ter4		İ	
	upto 750V							.
	1.5 mm ²	В	SPARE	11000	MCB 6A, Ter6			1 - 1
	upto 750V		<u> </u>		<u></u>	<u> </u>	L <u>.</u>	<u> </u>
			·	FOR RMI		Υ ==		
H.No.	Cable Size	Color	Ferrule no.	Length	From	То	Remarks	
13	1.5 mm ²	R	33 04 02.01	11000	MCB 2.5A, Ter2	1 KVAR	Cond-2.1	
	upto 750V					CP-6	•	
	1.5 mm ²	Υ	33 04 02.02	11000	MCB 2.5A, Ter4			
	upto 750V							
	1.5 mm ²	В	33 04 02.03	11000	MCB 2.5A, Ter6			1
	upto 750V]
13 A	1.5 mm ²	R	33 04 02.04	11000	MCB 2.5A, Ter2	1 KVAR	Cond-2.1	
	upto 750V					CP-7		
	1.5 mm ²	Y	33 04 02.05	11000	MCB 2.5A, Ter4			
	upto 750V			'				
	1.5 mm ²	В	33 04 02.06	11000	MCB 2.5A, Ter6]
13 B	1.5 mm ²	R	33 04 02.07	11000	MCB 2.5A, Ter2	1 KVAR	Cond-2.1	
	upto 750V					CP-8		
	1.5 mm ²	Υ	33 04 02.08	11000	MCB 2.5A, Ter4			
	upto 750V							5
	1.5 mm ²	В	33 04 02.09	11000	MCB 2.5A, Ter6			-23, L=8M)
	upto 750V							ן ב
13 C	1.5 mm ²	R	33 04 02.10	11000	MCB 6A, Ter2	3 KVAR	Comp-2.1	m'
	upto 750V				,	CP-9		.2
	1.5 mm ²	Υ	33 04 02.11	11000	MCB 6A, Ter4	1		NN)
	upto 750V	-			,			E
	1.5 mm ²	В	33 04 02.12	11000	MCB 6A, Ter6	1		
	upto 750V	-						
13 D	1.5 mm ²	R	33 04 02.13	11000	MCB 6A, Ter2	3 KVAR	Comp-2.2	7
130	upto 750V	``	35 5 . 52.15		, , , , , , , , , , , , , , , , , , , ,	CP-10	, .	
	1.5 mm ²	Y	33 04 02.14	11000	MCB 6A, Ter4	1		
	upto 750V	'	33 3 . 02.11]
	1.5 mm ²	В	33 04 02.15	11000	MCB 6A, Ter6	- T		
	upto 750V		35 5 . 52.15		1			.
13 E	1.5 mm ²	R	SPARE	11000	MCB 6A, Ter2	-	SPARE	7
10 L	upto 750V	'`	J. / 11 Cm	11000	1			
	1.5 mm ²	Y	SPARE	11000	MCB 6A, Ter4	1		
	upto 750V	1	JEANL	11000	1100014101.			
	1.5 mm ²	В	SPARE	11000	MCB 6A, Ter6	†		
	1	l D	SFAIL	11000	1100 0,0,101.0			
L	upto 750V							

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XIII): UNDER SLUNG REGULATED B ATTERY CHARGER CABLES

H.No.	Cable Size	Color	Ferrule no.	Length	From	То	Remarks
14	25 mm² upto 750V	W	33 01 12.01	15000	RBC	SBC	RBC TO SBC
	25 mm² upto 750V	W	33 01 13.01	15000	RBC	SBC	
14A	25 mm² upto 750V	CH	33 01 14.01	15000	RBC	SBC	RBC TO SBC
14B	6 mm² upto 750V	R	33 09 01.01	15000	SBC	RBC	SBC TO RBC
	6 mm ² upto 750V	Υ	33 10 01.01	15000	SBC	RBC	!
	6 mm² upto 750V	В	33 11 01.01	15000	SBC	RBC	'

Notes:

- Harnesses shall be prepared from multi-color cables only as specified for under frame and Roof wiring. Zero halogen, fire retardant heat shrinkable sleeves of M/S Tyco/Phoenix/Panduit make of appropriate color to be used. The standard length of ferrules should only be used.
- 2. Multi-core cables shall be as per specification no. EDTS-132, Rev 'C', AM-4 to respective data sheets.
- 3. The marking ferrules for feeder cables shall not be heat shrinked at the time of supply by the harness manufacturer, however to be suitably provided at 750 mm from both ends of the cables such that these ferrules shall not disengage from the cables during laying in the feeder pipes.. After laying of the harness in the coach these ferrules shall be heat shrinked in place according to shop requirements.

2.2. TYPE-2: BILL OF MATERIAL LHB AC EOG FIRST AC ROOF WIRING:

A) THIN WALLED FLEXIBLE ELASTOMERIC CABLES WITH COPPER CONDUCTORS & ACCESSORIES:-

S.NO.	DESCRIPTION	CABLE SIZE	DETAIL DRG/SPEC	OPC/ COACH	REMARKS LOCATION
1	Thin walled flexible elastomeric cables with copper conductors color 'Red' upto 750 V	1.5mm ²	ELRS/SPEC/ELC/0019 Rev.3.	450 mt	Inside coach
2	Thin walled flexible elastomeric cables with copper conductors color 'Yellow' upto 750 V	1.5mm ²	ELRS/SPEC/ELC/0019 Rev.3.	145 mt	Inside coach

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3	Thin walled flexible elastomeric cables with copper conductors color 'Blue' upto 750 V	1.5mm ²	ELRS/SPEC/ELC/0019 Rev.3.	194 mt	Inside coach
4	Thin walled flexible elastomeric cables with copper conductors color 'Black' upto 750 V	1.5mm ²	ELRS/SPEC/ELC/0019 Rev.3.	658 mt	Inside coach
5	Thin walled flexible elastomeric cables with copper conductors color 'GNYE' upto 750 V	1.5mm ²	ELRS/SPEC/ELC/0019 Rev.3.	545 mt	Inside . coach
6 .	Thin walled flexible elastomeric cables with copper conductors color 'White' upto 750 V		ELRS/SPEC/ELC/0019 Rev.3.	629 mt	Inside coach
7	Thin walled flexible elastomeric cables with copper conductors color 'Chocolate' upto 750 V	1.5mm ²	ELRS/SPEC/ELC/0019 Rev.3.	1147 mt	Inside coach
8	Thin walled flexible elastomeric cables with copper conductors color 'Red' upto 750 V	2.5 mm ²	ELRS/SPEC/ELC/0019 Rev.3.	18 mt	Inside coach
9	Thin walled flexible elastomeric cables with copper conductors color 'Blk' upto 750 V	2.5 mm ²	ELRS/SPEC/ELC/0019 Rev.3.	18 mt	Inside coach
10	Thin walled flexible elastomeric cables with copper conductors color 'GNYE' upto 750 V	2.5 mm ²	ELRS/SPEC/ELC/0019 Rev.3.	18 mt	Inside coach
11	Thin walled flexible elastomeric cables with copper conductors color 'Red' upto 750 V	4 mm²	ELRS/SPEC/ELC/0019 Rev.3.	105 mt	Inside coach

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12	Thin walled flexible elastomeric cables with copper conductors color 'Yellow' upto 750 V	4 mm²	ELRS/SPEC/ELC/0019 Rev.3.	105 mt	Inside coach
13	Thin walled flexible elastomeric cables with copper conductors color 'Blue' upto 750 V	4 mm ²	ELRS/SPEC/ELC/0019 Rev.3.	105 mt	Inside coach
14	Thin walled flexible elastomeric cables with copper conductors color 'GNYE' upto 750 V	4 mm ²	ELRS/SPEC/ELC/0019 Rev.3.	35 mt	Inside coach
15	(4x4x1) c+2x0.75(18 cores) multi-core cable 600/1000 V	(4x4x1) c+2x0.7 5	EDTS 132, Rev-` C ' AM-4 (DS-5)	36 mt	Inside coach
16	25X1.5 sq.mm multi- core cable 600/1000 V	25x1.5 mm ²	EDTS 132, Rev-' C ' AM-4 (DS-7)	37 mt	Inside coach
17	18X1.5 sq.mm multi- core cable 600/1000 V	18x1.5 mm²	EDTS 132, Rev-` C ' AM-4 (DS-7)	35 mt	Inside coach
18	2X1.5 sq.mm multi- core cable 600/1000 V	2x1.5 mm ²	EDTS 132, Rev-` C ' AM-4 (DS-4)	250 mt	Inside coach
19	PVC RIGID Conduit Dia 40mm	-	IS:9537-83,P3,CL 5.1	160 Mt	Inside coach
20	PVC RIGID Conduit Dia 20mm	-	IS:9537-83,P3,CL 5.1	70Mt	Inside coach
21	Cable jacket system	_	EDTS138 Corr.1	50 mt	Item-8
22	Cable jacket system	_	EDTS138 Corr.1	20 mt	Item-11
23	Cable jacket system	-	EDTS138 Corr.1	75 mt	Item-5
24	FRLT Cotton insulation tape,Red	<u> </u>	ICF/ELEC/921/ REV-'0'	3 Roll	-
25	FRLT Cotton insulation tape, Yellow		ICF/ELEC/921/ REV-'0'	3 Roll	-
26	FRLTCotton insulation tape, Blue	-	ICF/ELEC/921/ REV-'0'	3 Roll	-
27	FRLT Cotton insulation tape, black	-	ICF/ELEC/921/ REV-'0'	3 Roll	-
28	FRLT Cotton insulation tape, green	-	ICF/ELEC/921/ REV-'0'	3 Roll	-

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29	FRLT Cotton insulation tape, White	1	ICF/ELEC/921/ REV-'0'	3 Roll	-
30	FRLT Cotton insulation tape, chocolate	1	ICF/ELEC/921/ REV-'0'	3 Roll	
31	Cable Binder 3.6x200	-	CC76129 Itme-2	300 no.	M/S EVEREST ,NOVAFLEX. Panduit & M V Electrosystems
32	Cable Binder 4.6x368	-	CC76129 Itme-4	300 no.	M/S EVEREST ,NOVAFLEX. Panduit & M V Electrosystems
33	Cable duct A25(H)X25(W) 1M,STANARD SLOT GREY	_	-	02 meters	M/S L&T/ Phoenix/ Panduit make
34	Cable duct cover A25,STANARD SLOT GREY		-	02 meters	M/S L&T/ Phoenix/ Panduit make

B) CONDUIT SYSTEM FOR CABLE MANAGEMENT & ACCESSORIES (ROOF WIRING)

Firms supplying these items shall get these tested as per RDSO specification no. RDSO/PE/SPEC/AC/0138-2009, Rev-1.

S.NO.	DESCRIPTION	SPEC NO.	TABLE	S.No.	QPC
36	Polyamide flexible		A-1	2	80 mt
	corrugated conduit, NW-12				
37	Polyamide flexible	RDSO/PE/SPEC/AC/	· A-1	3	120mt.
	corrugated conduit, NW-17	0138-2009, Rev.1			
38	Polyamide flexible	(Annexure-A)	A-1	4	70 mt.
	corrugated conduit, NW-23				
39	Polyamide flexible		A-1	5	20 mt.
	corrugated conduit, NW-29				
40	Tube clamp NW-17		A-8	3	28 no.
41	Tube clamp NW-36		A-8	7	6 no.

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Note: i).

- Reference for Wiring on under frame & Roof shall be taken as per clause no. 9.0 & 9.1 respectively.
- Bunching for under frame shall be done as per clause 2.1(b) duly ferruled, legibly marked and laid in polyamide flexible conduits as per requirements in the coaches at shop floor.
- Bunching for Roof shall be done as per annexure-B, duly ferruled, legibly marked and laid in polyamide flexible conduits as per wiring requirements in the coaches at shop floor. Cable protection system shall be supplied as per BOM of clause 2.2.
- Wiring for Roof and under frame shall be done with multi-color scheme only.
- In case of non availability of any specific color cable, grey color cable may be used after having prior approval from office of The CEE/RCF and identification shall be made with colored, zero halogen fire retardant heat shrinkable sleeves of M/s TYCO/Phoenix/Panduit /MV make.
- **3.** i). Packing per coach set shall be done as per packing conditions specified at clause 8.0 of the specification. The packing shall be legibly marked for the type of coach applicable for.
 - ii) Jumper harnesses for Roof wiring to be duly laid in PVC conduits and Branch wiring for lighting & BRL to be laid in polyamide flexible conduits as per wiring requirement in the coaches. Under frame wiring shall be laid in flexible conduits, the details of laying the wiring in PVC/Flexible conduits may be collected from office of The CEE/RCF.

4.0 TECHNICAL REQUIREMENTS:

While manufacturing of cable harnesses essential safety requirements for voltage grade segregation, crimping etc shall be strictly followed as per instructions laid down in under given documents:

- a). General requirements shall be as per RDSO Spec. no. EL/TL/56-92 (Code of practice for Train Lighting maintenance on Prevention of Fires on 110V DC).
- b). Instructions laid down in Code of practice for wiring End On_ Generation Train Lighting system working at 750VAC,ELPS/ SPEC/EOG-01(MARCH-94) shall be followed.
- c). Work instructions for preparation of Harness to RCF document no. EDW0003 Ver.-02 or Latest version.

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- d). Work instructions for crimping of cable ends and cable terminations to RCF document no. EDW0006 Ver.-01 or Latest version.
- e) Schedule of Technical Requirements (<u>STR</u>) no. RCF/EL/0015-2011 (Rev. `B') shall be strictly followed for preparation of ready made harness.
- 4.1 Stripping of the cables at the ends shall be done where crimping sockets are not provided for ease of wiring.
- 4.2 The complete Roof wiring harness shall be made according to the Annexure 'B"

4.3 **Technical Staff**:

- a). The staff with minimum qualification `ITI' with **02** years experience or minimum **05** to **06** years experience for non ITI's in manufacturing harness of power-wiring/ control wiring in panels or other similar works having intricate design.
- b). The Supervisor staff for the skilled worker should be minimum graduate in electrical with 02 years experience in the same field or should be diploma holder in electrical discipline with at least five years experience in manufacturing of harness of power wiring control wiring in panels or other similar works. The firm shall deploy supervisors/staff in adequate nos. so as to match the delivery schedules as accepted by them against the contract".
- c). Firm shall ensure that **technical staff** as stipulated above shall be available in actual working conditions at shop floor. Representative of RCF may check any time the availability of these staff with qualifications. In case of non-compliance, Railway shall be free to **terminate the contract** in case of violation.
- 4.4 Proper cutting / crimping tools for various sizes of cables shall be provided to the staff for ease of crimping & cutting of cables (to be provided by the contractor).
- 4.5 Marking ferrules shall be of computer generated type for easy identification of the cables with the help of shrinking sleeves (self extinguishing) of suitable size horizontally printed cable markers of Tyco/Phoenix/Panduit make only.
- 4.6 Test for thin walled flexible elastomeric cables with copper conductors for its basic properties may be conducted on any sample picked up from the supply. The cost for the testing will be born by the firm. The specific tests to be done are covered in clause 5.10.
- 4.7 The harness manufacturer shall quote separately for commissioning of the harness as under:
 - a). Budgetary quote of the harness without commissioning.
 - b). Budgetary quote of the harness with commissioning in the coach at RCF.
- 4.8 The firm shall take prompt action or act promptly with in a reasonable time upon a short notice to rectify the defects/deficiency/deficiency noticed/ reported by RCF in the cable harness supplied by the firm. Failure to do the needful up to the satisfaction of the RCF, Firm's contract may be rescinded immediately or terminated without any further notice or may be levied penalty corresponding to the delay caused in the coach turn out for

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which the decision of the nominated `Competent Authority' shall be Final and Binding on the firm".

- 4.9 The firm's premises may be inspected by representative of CEE/RCF on any day on a short notice to ensure compliance to the various stipulations of the specifications, laid down standards including work instructions for the cable harness manufacturing practices. If any thing is not laid or specified therein this specification, the work shall be completed as per the best-established Engineering Practices/Procedures being followed in the Industry. "The firm shall extend all the necessary help to allow to visit all the infrastructure facilities, M&P, Tools, Testing facilities, examination of related quality records/documents etc. during his visit"
- 4.10 In case of commissioning work by supplier, firm shall be fully responsible for complete coach wiring & connections i.e. laying of cables in conduits, crimping at equipments, clamping of flexible conduits on roof area & Lavatory area , end wall & side walls etc. and others miscellaneous work (i.e. of Stage-III) to improve the coach wiring quality . Firm shall hand over the coach after testing as per clause 5.10(b) of the specification and complete in all respect.
- 4.11 All the rigid conduits, Flexible Conduits, end fittings shall be in firm scope of supply. However clamps & its hardware's etc. will be in RCF scope of supply, cables, Cable Protection System, crimping sockets, insulation tapes etc. should be purchased from the approved sources of RCF/ICF/RDSO and documentary proof to this effect should be submitted by the firm.
- 4.12 Only those firms shall be considered which have adequate infrastructure to make similar nature wiring/ harness at its manufacturing unit and conforming to STR.
- 4.13 Firm shall fill-up proforma for guaranteed performance as per **Annexure-`A'** and furnish details along with tender. It is perquisite without which offer shall be considered technically disqualified.
- 4.14 The firm will furnish the credentials in their support for having completed similar or identical works of its working in any Central/State government or Central/State Govt. under taking, reputed/established private organization such, as Railways, Defense, L&T, Siemens, etc. The firm to submit requisite proofs like completion certificates, contract details including contract value, Latest Income Tax clearance certificate, balance sheet duly vetted by the CA for the last three years, registration with the government organization, copies of permission from regulatory authorities like environmental & pollution control boards etc. "The firm should have completed successfully at least a similar cable harness work of one third or more value of the tendered cost value against an earlier contract."
- 4.15 The cable & conduit manufacturer shall submit a certificate along with each lot of supply that the same raw material has been used in manufacturing of the present supply as was used on which the type tests were conducted.

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4.16 Every letter from the firm shall have name and designation of the official signing the letter with the signature.

5.0 TESTS:

- 5.1 Deleted.
- 5.2 Inspecting agency /RITES shall carry out the tests in harness manufacturer's premises as per acceptance and routine tests specified in the tender specification. Check list Proforma consisting of testing details, observations/measurements and acceptability of the measurements should be prepared and testing to be done as per Proforma jointly with the firm's engineer .This should be submitted along with the inspection certificate to RCF.
- 5.3 Cables prescribed in RDSO/RCF specification of cables received by the harness manufacturer shall be inspected by RITES for acceptance and routine tests at cable manufacturer premises and certificate to this effect should be submitted by cable harness manufacturer to RCF.
- 5.4 Cable management system prescribed in RDSO specification RDSO/PE/SPEC/AC/0138-2009 ,Rev-1 shall be inspected by RITES (RA Berlin- in case of imported manufacturer) for acceptance and routine tests and certificate to this effect should be submitted by cable harness manufacturer to RCF.
- 5.5 The format for inspection based upon the tests stipulated in specification shall be as per clause no.5.10.
- 5.6 Firm's internal testing to be done by qualified person as per para 4.3 of this specification and submitted to RCF.

5.7 TYPE TEST:

All the type tests mentioned in Clause 5.10 shall be carried out on a prototype unit. The firm manufacturing for the first time shall get the prototype approved from CEE/RCF.

5.8 ROUTINE TEST:

Routine tests mentioned in clause 5.10(a) shall be carried out on each unit by the manufacturer at his works to ensure compliance with the specification and the drawings.

5.9 ACCEPTANCE TEST:

- a) Acceptance tests for cables will be done at cable manufacturer's premises as per RDSO specification no. ELRS/SPEC/ELC/0019 Rev.2.
- **b)** Acceptance tests for conduits etc. for cable management system will be done as per RDSO specification no. RDSO/PE/SPEC/AC/ 0138-2009 ,Rev-1 For supply for Non-RDSO approved sources but RCF approved sources, clause 7.0 is to be followed.

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c) Acceptance test mentioned in clause 5.10(a) cable harness manufacturer to be witnessed by inspecting agency nominated by the purchaser at the works of the cable harness manufacturer, on the samples picked up by the inspecting authority. All the acceptance tests shall be carried out at firm's premises at the manufacturer's cost. Inspecting officer will witness the tests.

A copy of the internal tests conducted by the firm shall be supplied to inspecting/purchasing authority. Inspecting agency shall maintain record of all the tests conducted for future reference and will check the authenticity and the originality of the bill of material for each item by seeing the invoices invariably to avoid spurious material being safety involved.

5.10 TABLE FOR TESTS:-

Tests for harnesses at firm`s premises:

S.No	Tests	Type	Routine	Acceptance
2.110	lesis	Test	Test	Test
1	Visual inspection, including inspection of wiring and electrical operational test. (Visual inspection for proper assembly,	YES	YES	YES
	compatibility of sub-components & wiring etc.)			!
2	Checking of electrical continuity	YES	YES	YES
3	Checking of cable routing & alignment as per requirements	YES	YES	YES
4	Test for verification of dielectric properties. (shall withstand (2.0 KV for 1 minute)	YES	YES	_
5	Test for verification of insulation resistance. (>100 $\text{M}\Omega$ with 500 V Megger).	YES	YES	· -
6	Compliance to safety related codes of practice as per para 4.0 of this specification.	YES	YES	YES
7	Originality of the bill of the material with proof of the invoices	YES	YES	YES
8	Check of crimping joints a) mV drop Test. b) Pull out Test.	YES	YES	-
9.	Test for thin walled flexible elastomeric cables with copper conductors	YES	YES	YES
10.	Test for rigid PVC conduits to IS:9537 (Part-3)	YES	YES	YES
11.	Test for cable protection system	YES	YES	YES
12.	Test for marking ferrules	YES	YES	YES
13.	Test for copper crimping sockets	YES	YES	YES

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14.	Test for FRLT tape	YES	YES	YES
15.	Test for cable alley/ duct	YES	YES	YES

5.10 a): Details of testing:

Sr. No.	Details of testing	Remarks of Rites Inspecting official
1	Tests for thin walled flexible elastomeric	
	cables with copper conductors	
	Testing for basic properties of cable picked up from	n supply (clause 4.8). Minimum
	one sample shall be tested for each 50 sets (a	t the manufacturer's cost) to
	RDSO specification no ELRS/SPEC/ELC/0019 (REV-	-2).
а	Test for thickness of insulation and sheath as per	
	clause 7.4.1(b) of RDSO spec (5% of each cable	
	size to be checked.)	
b	High voltage test (water immersion test) as per	
	clause 7.4.1(c) of RDSO spec. (on two cable size	
	of cable used)	
С	Insulation resistance test as per clause 7.4.1(d)	
	of RDSO spec. (on one cable size different from	
	HV test)	
d	Tracking resistance as per clause 7.4.1(f) of	
	RDSO spec.(on two size not covered in HV test &	
	IR test)	
е	Strippability as per clause 7.4.2 of RDSO spec.	
	(10 samples in prototype testing and five	
	samples in acceptance/routine test of different	
	size 1mm to 6mm)	
f	Wind ability of the finished cable as per clause	
	7.4.3 of RDSO spec. (One sample 1-6 sq. mm &	
	one sample more than 6 sq. mm)	
g	Slippage test as per clause 7.4.5 of the RDSO	
	spec. (two samples for size less than 25mm dia	
	and two samples for dia more than 25mm)	
	1	

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2	Acceptance Test for PVC conduit to IS:9537	1
а	Checking of dimensions as clause 7 of IS	
b	Bending test (at room temperature) as per	:
	clause 9.2 of IS spec	
С	Compression test as per cl. 9.3 of IS spec (5	
·	samples in prototype and 2 samples in	
	acceptance/routine)	
d	Collapse test as per cl. 9.5 of IS spec (one	
	sample)	
е	Resistance to burning as per cl. 11 of IS spec. (2	
	samples)	1
f	Electrical Characteristics as per cl 12 of IS spec	
3	Cable Protection System-Testing as per RDS	O Spec. No.
	RDSO/PE/SPEC/AC/0138	:
а	Make	
b	Type / Series used for	:
i	Conduit	:
	Checking of dimensions	
	Compression test (two sample of each size)	
	Impact test (one sample of each sizes)	
	Flexing test (2 samples of each type of fitting.)	
	di-electric strength (one sample of each size)	i •
ii	End fitting – Tensile test (of different five sizes)	
iii	Tube clamps – Dimensional check as per – two	
	sample of each size	
iv	Lock nuts – Dimensional check as per – two	
	sample of each size.	
4	Marking ferrules	1
	Computer generated	Tyco / Phoenix / Panduit
	(verification of make/brand)	/MV/
5	Copper crimping sockets	
	Visual inspection and checking of dimensions as	I I

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	per cl 5.6 of EDTS200	
	(five sample of each)	,
	Crimping test as per cl 5.7 of EDTS200	
	(Two sample of size less than 6mm² and two	·
	sample of 6mm ²)	
	Flattening test as per cl 5.8 of EDTS200	
6	FRLT tape	
	ISI marked	
	Resistance to flame propagation as per clause	
	6.0 of IS:7809 for 2 samples	
	Electrical strength as per clause 7.1 of IS:7809	
	for 5 samples	
	IR value	
7	Cable alley / duct	
	Make/catalogue number used verify make of	
	test certificates.	

5.10 (b): Tests after commissioning of the coach at RCF:

S.No	Tests	Type Test	Routine Test	Acceptance Test	Clause IS:8623(P-I)-93	of
1	Verification of insulation resistance	YES	YES	YES	8.3.4	
2	Checking of electrical continuity of all the circuits.	YES	YES	YES	8.3.3	
3.	Verification of die electric properties	YES	YES	YES	8.2.2	

The accuracy of measuring instruments used for both type and routine tests shall be of class 1.5.

6 APPROVALS:

6.1 Before making regular supplies, **firm shall take prior clearance from DYCEE/P** regarding minor changes in size of cut length of wire under same, overall bill of material. If the minor changes in the length of cables, as advised by DY.CEE/P/RCF result in variation in the overall quantity of bill of material for particular type of coaches then the excess quantity should be supplied separately by the supplier and if quantity falls short then the same shall be supplied by RCF at RCF as per direction of DY.CEE/P. It is essential in order to ensure proper usage of cable harness in other

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coaches with minor modifications to avoid hold of coaches and to avoid the cable harness being surplus for a particular type of coach.

- 6.2 Firms manufacturing for the first time, Prototype Inspection shall be done by office of the CEE / RCF.
- 6.3 Firm shall be fully responsible for commissioning of harness system in prototype coach at RCF to avoid any teething troubles or modification required if any, before commencement of bulk supply and commissioning at RCF. Firm shall supply one coach harness set only for validation on coach and after its trial conducted/ prototype approval, the bulk supply shall be dispatched and commissioned on the coaches at RCF.

7.0 SPECIAL CONDITIONS FOR RCF SPECIFICATION:

- 7.1 These conditions shall apply to the conduit system for cable management items like Polyamide conduits and End fittings etc. These conditions would apply to the material which would be supplied from a Non RDSO approved but RCF approved source of conduit management items like polyamide conduits, end fittings etc. The firm will clearly mention the make of conduit system like conduits, end fittings etc. to be supplied.
- 7.2 The complete data sheet of product number/catalogue number/part number etc. of the approved company make shall be submitted along with the offer which should be confirming to the technical requirements of RDSO specification. The product data sheet not meeting with all the stipulated requirements of the specifications would not be considered acceptable and the complete offer of the tenderer shall be considered unsuitable. Acceptance tests shall be carried as per para 5.9.
- 7.3 The order shall be placed on the firm supplying conduit system for cable management system by cable harness manufacturers specifying specification, product/part/catalogue number etc. as approved in 7.2 above.
- 7.4 The documentation shall be submitted regarding supply/ receipt of material after import mentioning the product number/part number/catalogue number etc. on the bill/purchase invoices/purchase voucher etc.

8.0 PACKING AND TRACEABILITY:

- i). Packing of harnesses shall be done as per Packing Instructions PI005 to RCF document no. PLM0010E version-8.0. Harnesses shall be bunched together and shall be supplied as single unit per coach. Each harness shall be duly bunched individually and legibly marked as per details specified in the specification on it for under frame and Roof arrangement.
- ii). Packing per coach set shall be done as per packing conditions. However either card board packing in single unit or plastic containers (returnable basis) shall be used for

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supplying the material. The packing shall be legibly marked for the type of coach applicable for.

- iii). All the loose wiring for lavatory area & other locations shall be segregated and bunched separately before packing.
- iv). Performa invoice of all the major items like cable, crimping sockets etc. shall be supplied along with each supply of material.
- v). Every unit of supply item shall be numbered / marked for identification, traceability and analysis. The following details shall be imprinted on the number plate of each unit
 - a) Serial Number
 - b) Year and month of manufacture
 - c) Name of the item

9.0 ENCLOSURES:

S.No	Drawing/Spec. no.	Description			
1	RDSO Spec. no.	Code of practice for Train Lighting maintenance on			
	EL/TL/56-92	Prevention of Fires on 110V D.C			
2	RDSO Spec. no.	Code of practice for End On Generation for Train			
	EL/TL/001	Lighting system working at 750VAC			
3	RCF/EL/0015-2011	Schedule of technical requirements (STR) for ready			
	(Rev. `A')	made harness.			
4	EDW0003 Ver. – 02.	Work instructions for preparation of Harness			
5	EDW0006 Ver 01	Work instructions for crimping of cable ends and cable			
	LDVV0000 Ver. 01	terminations			
6	Annexure-A	Performa for Performance Guaranty			
7	Annexure-B	Harness details for Roof Wiring. (TYPE-II)			
8	Annexure-C	Break up of end fittings for reference at shop floor			

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9.1. ENCLOSURES for TYPE-1 (For Underframe arrangement)

Sno.	Drawing no.	Description				
1.	1.10113.026.000.002	Devices on Underframe				
2	1.10113.076.110.001	Cable pipe laying mounting (NPPE)				
3	1.10113.076.110.002	Cable pipe laying mounting (NPPE-Middle)				
4	1.10113.076.110.003	Cable pipe laying mounting (WE2-Middle)				
6	LW70211	Block diagram & Harness chart for under frame (for LHB AC EOG 2-Tier type coach)				

ANNEXURE `A' TO SPEC. NO. EDTS 254, REV-J

PERFORMA FOR PERFORMANCE GURANTEE

S.NO.	ITEMS DESCRIPTION	COMPLIANCE (YES/NO
1.	Compliance of STR	
	(if Yes, enclose clause by clause comments)	
2.	Compliance of qualified technical staff	
	(if Yes, enclose the details)	
3.	Compliance of adequate space and condition for	
	manufacturing, assembly	
	(if yes, enclose the details)	
4.	Compliance of in-house testing facilities	
	(if Yes, enclose the details)	·
5.	Compliance of other details to improve the quality	
	(if Yes, enclose the details)	

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lar No	CABLE SIZE	COLOR	FERRULE NO.	LENGTH	FRC		TO		REMARKS
					LOCATION			TER.NO.	
			J	UMPER WIRI	NG FOR LIGH	TING/ALAR	M PULL(SBC .	T	
	1.5 SQ.MM	R	FLD 52 01 01	5000	+S1X1	112	B1X1	1	FLD-1
	1.5 SQ.MM	BLK	FLD 52 01 02	5000	+S1X1	113	B1X1	2	
1 ·	1.5 SQ.MM	СН	AL 32 04 05	5000	+S1X1	95	B1X1	3	ALARM
	1.5 SQ.MM	w	AL 43 01 02	5000	+S1X1	99	B1X1	4	
	1.5 SQ.MM	В	FLE 52 01 04	5000	+S1X1	114	B1X1	5	FLE-1
	1.5 SQ.MM	BLK	FLE 52 01 05	5000	+S1X1	115	B1X1	6	
	1.5 SQ,MM	СН	NL 52 03 03	5000	+S1X1	116	B6X1	7	NL-1
	1.5 SQ.MM	w	NL 52 03 04	5000	+S1X1	117	B1X1	8	,,_ ,
	1.5 SQ.MM	GNYE	52 01 03	5000	+\$1X1	110	B1X1	9,10	LIGHTING EARTH
	1.5 SQ.MM	BLK	43 01 03	5000	+S1X1	PE	B1X1	11	ALARM EARTH
			With programme				alka jarahan P		
_	1.5 SQ.MM	R	52 01 06	15000	+S1X1	112	B5X1	1	TO 5TH CABIN
A	1.5 SQ.MM	BLK	52 01 07	15000	+\$1X1	113	B5X1	2	TO STA CASIV
	1				y sięstemie	G 1. 1. 1. 1.		1.1.1.1.1.1.1.1	
<u> </u>				MPER WIRIN	G FOR LIGHTI	NG/ALARM	PULL(CABIN-	1 TO CABIN	-2)
	1.5 SQ.MM	R	FLD 52 01 01	3100	B1X1	1	B2X1	1	
	1.5 SQ.MM	BLK	FLD 52 01 02	3100	B1X1	2	B2X1	2	FLD-2
	1.5 SQ.MM	CH	AL 32 04 05	3100	B1X1	3	B2X1	3	
				3100	B1X1	4	B2X1	4	ALARM
	1.5 SQ.MM	W	AL 43 01 02			5	B2X1	5	
2	1.5 SQ.MM	8	FLE 52 01 04	3100	B1X1	6	B2X1	6	FLE-2
	1.5 SQ.MM	BLK	FLE 52 01 05	3100	B1X1			7	
	1.5 SQ.MM	СН	NL 52 03 03	3100	B6X1	7	B2X1	8	NL-2
	1.5 SQ.MM	W	NL 52 03 04	3100	B1X1	. 8	B2X1		LIGHTING EADTH
	1.5 SQ.MM	GNYE	52 01 03	3100	B1X1	9,10	B2X1	9,10	LIGHTING EARTH
	1.5 SQ.MM	BLK	43 01 03	3100	B1X1	11	B2X1	11	ALARM EARTH
: '						. 24-14	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		
			JU	MPER WIRIN	S FOR LIGHTI	NG/ALARM	PULL(CABIN-	2 TO CABIN	3)
	1.5 SQ.MM	R	FLD 52 01 01	2100	B2X1	1	B3X1	1	FLD-3
	1.5 SQ.MM	BLK	FLD 52 01 02	2100	B2X1	2	B3X1	2	
	1.5 SQ.MM	CH	AL 32 04 05	2100	B2X1	3	B3X1	3	ALARM
	1.5 SQ.MM	w	AL 43 01 02	2100	B2X1	4	B3X1	4	
_	1.5 SQ.MM	В	FLE 52 01 04	2100	82X1	5	B3X1	5	FLE-3
3	1.5 SQ.MM	BLK	FLE 52 01 05	2100	B2X1	6	B3X1	6	1 22-3
	1.5 SQ.MM	СН	NL 52 03 03	2100	B2X1	7	B3X1	7	NL-3
	1,5 SQ.MM	w	NL 52 03 04	2100	B2X1	8	B3X1	8	, NES
	1.5 SQ.MM	GNYE	52 01 03	2100	B2X1	9,10	B3X1	9,10	LIGHTING EARTH
	1.5 SQ.MM	BLK	43 01 03	2100	B2X1	11	B3X1	11	ALARM EARTH
	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		33 1 1 1 1 1 4	aleki kust	12 1 1 1 1 1 1 1 1 1	1000000	trada opini koji programa pro kalenda kaj presidenta de la se
		·	JU	MPER WIRIN	S FOR LIGHTI	NG/ALARM	PULL(CABIN-	3 TO CABIN	4)
	1,5 SQ.MM	R	FLD 52 01 01	3100	B3X1	1	B4X1	1	
	1.5 SQ.MM	BLK	FLD 52 01 02	3100	B3X1	2	B4X1	2	FLD-4
	1.5 SQ.MM	CH	AL 32 04 05	3100	B3X1	3	B4X1	3	
		W	AL 43 01 02	3100	B3X1	4	B4X1	4	ALARM
	1.5 SQ.MM				B3X1	5	B4X1	5	
4	1.5 SQ.MM	B	FLE 52 01 04	3100		6	B4X1	6	FLE-4
	1.5 SQ.MM	BLK	FLE 52 01 05	3100	B3X1	-			
	1.5 SQ.MM		NL 52 03 03	3100	B3X1		B4X1	7	NL-4
	1.5 SQ.MM	W	NL 52 03 04	3100	B3X1	8	B4X1	8	LICUTING EARTH
	1.5 SQ.MM		52 01 03	3100	B3X1	9,10	B4X1	9,10	LIGHTING EARTH
	1.5 SQ.MM	BLK	43 01 03	3100	B3X1	11	B4X1	11	ALARM EARTH
				eriya ing					
			JU				PULL(CABIN-		-5)
	1.5 SQ.MM	R	FLD 52 01 01	2100	B4X1	1	B5X1	1	FLD-5
	1.5 SQ.MM	BLK	FLD 52 01 02	2100	B4X1	2	B5X1	2	
	1.5 SQ.MM	СН	AL 32 04 05	2100	B4X1	3	B5X1	3	ALARM
	1.5 SQ.MM	W	AL 43 01 02	2100	B4X1	4	B5X1	4	
_	1.5 SQ.MM	В	FLE 52 01 04	2100	B4X1	5	B5X1	5	FLE-5
5	1.5 SQ.MM	BLK	FLE 52 01 05	2100	B4X1	6 .	B5X1	6	
	1.5 SQ.MM	СН	NL 52 03 03	2100	B4X1	7	B5X1	7	NL-5
	1.5 SQ.MM	w	NL 52 03 04	2100	B4X1	8	B5X1	8	NL-3
	1.5 SQ.MM		52 01 03	2100	B4X1	9,10	B5X1	9,10	LIGHTING EARTH .
	1.5 SQ.MM	BLK	43 01 03	2100	B4X1	11	B5X1	11	ALARM EARTH

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- 51	CARL COTE	COLOR	EEBBIII E NO	LENGTH	FRO		TC		REMARKS
r No	CABLE SIZE	COLOR	FERRULE NO.	1	LOCATION	TER. NO.	LOCATION	TER.NO.	
			JU	MPER WIRING	FOR LIGHT	NG/ALARM	PULL(CABIN-	5 TO CABIN	-6)
	1.5 SQ.MM	R	FLD 52 01 01	3100	B5X1	1	B6X1	1	FLD-6
	1.5 SQ.MM		FLD 52 01 02	3100	B5X1	2	B6X1	2	
	1.5 SQ.MM		AL 32 04 05	3100	B5X1	3	B6X1	3	ALARM
			AL 43 01 02	3100	B5X1	4	B6X1	4	ADANIII
	1.5 SQ.MM			3100	B5X1	5	B6X1	5	
6 -	1.5 SQ.MM	В	FLE 52 01 04			6	B6X1	6	FLE-6
	1.5 SQ.MM		FLE 52 01 05	3100	85X1			7	
	1.5 SQ.MM	СН	NL 52 03 03	3100	B5X1	7	B6X1		NL-6
	1.5 SQ.MM	W	NL 52 03 04	3100	B5X1	8	B6X1	8	
	1.5 SQ.MM	GNYE	52 01 03	3100	B5X1	9,10	B6X1	9,10	LIGHTING EARTH
	1.5 SQ.MM	BLK	43 01 03	3100	85X1	11	B6X1	11	ALARM EARTH
	15. 1 Jan 1845	100,000				4.75.54	Electric Services	-1-214,5,54	
			JU	MPER WIRING	3 FOR LIGHT	ING/ALARM	PULL(CABIN-	6 TO CABIN	-7)
	1.5 SQ.MM	R	FLD 52 01 01	2100	B6X1	1	B7X1	1	FLD-7
			FLD 52 01 02	2100	B6X1	2	B7X1	2	FLD-7
	1.5 SQ.MM					3	B7X1	3	
	1.5 SQ.MM	CH	AL 32 04 05	2100	B6X1	 		4	ALARM
	1.5 SQ.MM	W	AL 43 01 02	2100	B6X1	4	B7X1	5	
7	1.5 SQ.MM	В	FLE 52 01 04	2100	B6X1	5	B7X1		- FLE-7
•	1.5 SQ.MM	BLK	FLE 52 01 05	2100	B6X1	6	87X1	6	
	1.5 SQ.MM	СН	NL 52 03 03	2100	B6X1	7	B7X1	7	NL-7
	1.5 SQ.MM	w	NL 52 03 04	2100	B6X1	8	B7X1	8	
	1.5 SQ.MM	GNYE	52 01 03	2100	B6X1	9,10	B7X1	9,10	LIGHTING EARTH
	1.5 SQ.MM	BLK	43 01 03	2100	B6X1	11	B7X1	11	ALARM EARTH
	1.5 GGLIVING			1 1, 12, 14, 14		1377 25 137		1. 1. 1. 1. 1. 1.	
		44117146				ING/ALARM	PULL(CABIN	7 TO CABIN	l - 8)
	1	T =			B7X1	1	B8X1	1	
	1.5 SQ.MM	R	FLD 52 01 01	2100					FLD-8
	1.5 SQ.MM	BLK	FLD 52 01 02	2100	B7X1	2	B8X1	2	<u> </u>
	1.5 SQ.MM	CH	AL 32 04 05	2100	B7X1	3	B8X1	3	ALARM
	1.5 SQ.MM	W	AL 43 01 02	2100	B7X1	4	B8X1	4	
	1.5 SQ.MM	В	FLE 52 01 04	2100	B7X1	5	B8X1	5	FLE-8
8	1.5 SQ.MM	BLK	FLE 52 01 05	2100	B7X1	6	B8X1	6	FLE-0
	1.5 SQ.MM	CH	NL 52 03 03	2100	B7X1	7	B8X1	7	
						8	B8X1	8	- NL-8
	1.5 SQ,MM	W	NL 52 03 04	2100	B7X1				LICHTING EARTH
	1.5 SQ.MM	GNYE	52 01 03	2100	B7X1	9,10	B8X1	9,10	LIGHTING EARTH
	1.5 SQ.MM	BLK	43 01 03	2100	B7X1	11	B8X1	11	ALARM EARTH
-111						<u> </u>			
			JUMPER /	BRANCH WIR	ING FOR LIGI	HTS/FAN FF	OM CABIN-1 T	O ATTENDE	INT ROOM
	1.5 SQ.MM	R	F 52 01 01	3000	B1X1	1	F-1	1	F-1
	1.5 SQ.MM	BLK	F 52 01 02	3000	B1X1	2	F-1	2	
	1.5 SQ.MM	В	FLE 52 01 04	5500	SBC	5	SW-13	5	51549
									- FLE-13
		BIK	FLE 52 01 05	5000	SBC	6	SW-13	6	
۵	1.5 SQ.MM	BLK	FLE 52 01 05	5000 5500	SBC	-		6 7	
9	1.5 SQ.MM 1.5 SQ.MM	СН	NL 52 03 03	5500	SBC	7	SW-13	7	NL-13
9	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH W	NL 52 03 03 NL 52 03 04	5500 5000	SBC SBC	7 8	SW-13 SW-13	7 8	
9	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH W GNYE	NL 52 03 03 NL 52 03 04 52 01 03	5500 5000 5000	SBC SBC SBC	7 8 9,10	SW-13 SW-13 FLE-13	7 8 9,10	NL-13
9	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH W	NL 52 03 03 NL 52 03 04	5500 5000 5000 4500	SBC SBC SBC FLE SW	7 8 9,10 1	SW-13 SW-13 FLE-13 FLE	7 8 9,10	
9	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH W GNYE	NL 52 03 03 NL 52 03 04 52 01 03	5500 5000 5000	SBC SBC SBC	7 8 9,10	SW-13 SW-13 FLE-13	7 8 9,10 1	
9	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04	5500 5000 5000 4500 4500	SBC SBC SBC FLE SW NL SW	7 8 9,10 1 1	SW-13 SW-13 FLE-13 FLE NL	7 8 9,10 1 1	
9	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04	5500 5000 5000 4500 4500	SBC SBC SBC FLE SW NL SW	7 8 9,10 1 1	SW-13 SW-13 FLE-13 FLE	7 8 9,10 1 1	
9	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04	5500 5000 5000 4500 4500	SBC SBC SBC FLE SW NL SW	7 8 9,10 1 1	SW-13 SW-13 FLE-13 FLE NL	7 8 9,10 1 1	LIGHTING EARTH
9	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01	5500 5000 5000 4500 4500 JUMPER W	SBC SBC SBC FLE SW NL SW VIRING FOR C +S1X1	7 8 9,10 1 1 1 ORRIDOR L	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC	7 8 9,10 1 1 TO B9X1)	
9	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02	5500 5000 5000 4500 4500 4500 JUMPER W 11000	SBC SBC SBC FLE SW NL SW VIRING FOR C +S1X1 +S1X1	7 8 9,10 1 1 1 CORRIDOR L 112 113	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC 89X1 89X1	7 8 9,10 1 1 1 TO B9X1)	LIGHTING EARTH FLS-1
	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK B	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04	5500 5000 5000 4500 4500 4500 11000 11000 11000	SBC SBC SBC FLE SW NL SW VIRING FOR C +S1X1 +S1X1 +S1X1	7 8 9,10 1 1 1 CORRIDOR L 112 113 114	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC 89X1 B9X1 B9X1	7 8 9,10 1 1 TO B9X1) 1 2 5	LIGHTING EARTH
	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK B BLK	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04 FLE 52 01 05	5500 5000 5000 4500 4500 4500 11000 11000 11000 11000	SBC SBC SBC FLE SW NL SW VIRING FOR C +S1X1 +S1X1 +S1X1 +S1X1	7 8 9,10 1 1 1 CORRIDOR L 112 113 114 115	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC 89X1 B9X1 B9X1 B9X1	7 8 9,10 1 1 TO B9X1) 1 2 5	LIGHTING EARTH FLS-1
	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK B	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04 FLE 52 01 05 NL 52 03 03	5500 5000 5000 4500 4500 4500 11000 11000 11000 11000	SBC SBC SBC FLE SW NL SW VIRING FOR C +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1	7 8 9,10 1 1 1 CORRIDOR L 112 113 114 115 116	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC B9X1 B9X1 B9X1 B9X1 B9X1	7 8 9,10 1 1 TO B9X1) 1 2 5 6	LIGHTING EARTH FLS-1
	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK B BLK	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04 FLE 52 01 05	5500 5000 5000 4500 4500 4500 11000 11000 11000 11000	SBC SBC SBC FLE SW NL SW VIRING FOR C +S1X1 +S1X1 +S1X1 +S1X1	7 8 9,10 1 1 1 CORRIDOR L 112 113 114 115	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC 89X1 B9X1 B9X1 B9X1	7 8 9,10 1 1 TO B9X1) 1 2 5 6 7	FLS-1 FLE-9 NL-9
	1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK B BLK CH W	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04 FLE 52 01 04 FLE 52 03 03 NL 52 03 04 S2 01 03	5500 5000 5000 4500 4500 4500 11000 11000 11000 11000 11000 11000 11000	SBC SBC SBC SBC FLE SW NL SW //RING FOR C +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1	7 8 9,10 1 1 1 10 CORRIDOR L 112 113 114 115 116 117	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC B9X1 B9X1 B9X1 B9X1 B9X1	7 8 9,10 1 1 TO B9X1) 1 2 5 6	FLS-1 FLE-9 NL-9 LIGHTING EARTH
	1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK B BLK CH W	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04 FLE 52 01 05 NL 52 03 03 NL 52 03 04	5500 5000 5000 4500 4500 4500 11000 11000 11000 11000 11000 11000 11000	SBC SBC SBC SBC FLE SW NL SW VIRING FOR C +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1	7 8 9,10 1 1 1 10 CORRIDOR L 112 113 114 115 116 117	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC 89X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1	7 8 9,10 1 1 TO B9X1) 1 2 5 6 7	FLS-1 FLE-9 NL-9
	1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK B BLK CH W	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04 FLE 52 01 04 FLE 52 03 03 NL 52 03 03 NL 52 03 04	5500 5000 5000 4500 4500 4500 11000 11000 11000 11000 11000 11000 11000	SBC SBC SBC FLE SW NL SW MIRING FOR C +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1	7 8 9,10 1 1 1 10 00RRIDOR L 112 113 114 115 116 117	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC 89X1 89X1 89X1 89X1 89X1 89X1 89X1 89X1	7 8 9,10 1 1 TO B9X1) 1 2 5 6 7 8 9,10	FLS-1 FLE-9 NL-9 LIGHTING EARTH
	1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK BLK BLK CH W GNYE	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04 FLE 52 01 04 FLE 52 03 03 NL 52 03 04	5500 5000 5000 4500 4500 4500 4500 11000 11000 11000 11000 11000 11000 11000	SBC SBC SBC FLE SW NL SW MRING FOR C +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1	7 8 9,10 1 1 1 10 00RRIDOR L 112 113 114 115 116 117	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1	7 8 9,10 1 1 TO B9X1) 1 2 5 6 7 8 9,10	FLS-1 FLE-9 NL-9 LIGHTING EARTH
	1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK B BLK CH W GNYE	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04 FLE 52 01 05 NL 52 03 03 NL 52 03 04 52 01 03	5500 5000 5000 4500 4500 4500 4500 11000 11000 11000 11000 11000 11000 11000 11000 11000 5000	SBC SBC SBC SBC FLE SW NL SW MIRING FOR C +S1X1	7 8 9,10 1 1 1 10 00RRIDOR L 112 113 114 115 116 117 110	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1	7 8 9,10 1 1 TO B9X1) 1 2 5 6 7 8 9,10	FLS-1 FLE-9 NL-9 LIGHTING EARTH
	1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK B BLK CH W GNYE	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04 FLE 52 01 04 FLE 52 03 03 NL 52 03 03 NL 52 03 04 52 01 03	5500 5000 5000 4500 4500 4500 4500 11000 11000 11000 11000 11000 11000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	SBC SBC SBC SBC FLE SW NL SW MIRING FOR C +S1X1	7 8 9,10 1 1 1 10 00RRIDOR L 112 113 114 115 116 117 110 2	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1	7 8 9,10 1 1 TO B9X1) 1 2 5 6 7 8 9,10 TO CABIN-1 2 2	FLS-1 FLE-9 NL-9 LIGHTING EARTH
10	1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK B BLK CH W GNYE R BLK BNYE	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 05 NL 52 03 03 NL 52 03 04 52 01 03 FLD 52 01 01 FLD 52 01 02 FLE 52 01 03	5500 5000 5000 4500 4500 4500 JUMPER W 11000 11000 11000 11000 11000 11000 11000 11000 1000	SBC SBC SBC SBC SBC SBC FLE SW NL SW //RING FOR C +S1X1	7 8 9,10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1	7 8 9,10 1 1 1 2 5 6 7 8 9,10 TO CABIN-1 2 5 5	FLS-1 FLE-9 NL-9 LIGHTING EARTH
10	1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK B BLK CH W GNYE	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04 FLE 52 01 04 FLE 52 03 03 NL 52 03 03 NL 52 03 04 52 01 03	5500 5000 5000 4500 4500 4500 4500 11000 11000 11000 11000 11000 11000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	SBC SBC SBC SBC FLE SW NL SW MIRING FOR C +S1X1	7 8 9,10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SW-13 SW-13 FLE-13 FLE NL JGHTING(SBC 69X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B	7 8 9,10 1 1 2 5 6 6 7 CABIN-1 1 2 5 6 6 6 7 6 6 6 7 6 6 7 7 8 7 7 8 7 7 8 7 7 8 7 7 7 8 7 7 7 8 7	FLS-1 FLE-9 NL-9 LIGHTING EARTH
	1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK B BLK CH W GNYE R BLK BNYE	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 05 NL 52 03 03 NL 52 03 04 52 01 03 FLD 52 01 01 FLD 52 01 02 FLE 52 01 03	5500 5000 5000 4500 4500 4500 JUMPER W 11000 11000 11000 11000 11000 11000 11000 11000 1000	SBC SBC SBC SBC SBC SBC FLE SW NL SW //RING FOR C +S1X1	7 8 9,10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1	7 8 9,10 1 1 1 2 5 6 7 8 9,10 TO CABIN-1 2 5 5	LIGHTING EARTH FLS-1 FLE-9 NL-9 LIGHTING EARTH 3) FLS-2 FLE-10
10	1.5 SQ.MM 1.5 SQ.MM	CH W GNYE B CH R BLK BLK CH W GNYE R BLK BNYE	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04 FLE 52 01 05 NL 52 03 03 NL 52 03 03 NL 52 03 04 FLD 52 01 03 FLD 52 01 03 FLD 52 01 03 FLD 52 01 03	5500 5000 5000 4500 4500 4500 11000 11000 11000 11000 11000 11000 11000 15000 5000 5000	SBC SBC SBC SBC SBC FLE SW NL SW VIRING FOR C +S1X1	7 8 9,10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SW-13 SW-13 FLE-13 FLE NL JGHTING(SBC 69X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B	7 8 9,10 1 1 2 5 6 6 7 CABIN-1 1 2 5 6 6 6 7 6 6 6 7 6 6 7 7 8 7 7 8 7 7 8 7 7 8 7 7 7 8 7 7 7 8 7	FLS-1 FLE-9 NL-9 LIGHTING EARTH
10	1.5 SQ.MM	CH W GNYE B CH R BLK B BLK CH W GNYE R BLK CH W GNYE CH W CH W W CH W W CH W W W W CH W W W W	NL 52 03 03 NL 52 03 04 52 01 03 FLE 52 01 04 NL 52 03 04 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04 FLE 52 01 05 NL 52 03 03 NL 52 03 03 FLE 52 01 03 FLD 52 01 03 FLE 52 01 03 FLD 52 01 03 FLD 52 01 03 FLD 52 01 03 FLD 52 01 01 FLD 52 01 02 FLE 52 01 04 FLE 52 01 04 FLE 52 01 05 NL 52 03 03	5500 5000 5000 4500 4500 4500 4500 JUMPER W 11000 11000 11000 11000 11000 15000 5000 5000 5000 5000	SBC SBC SBC SBC SBC FLE SW NL SW VIRING FOR C +S1X1	7 8 9,10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SW-13 SW-13 FLE-13 FLE NL IGHTING(SBC 89X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B9X1 B	7 8 9,10 1 1 2 5 6 7 7 8 9,10 TO CABIN-1 2 5 6 6 7 7 8 7 8 7 7 8 7	LIGHTING EARTH FLS-1 FLE-9 NL-9 LIGHTING EARTH 3) FLS-2 FLE-10







Har No	I	Tan:	T		FRO	DM.	TC)	REMARKS
	CABLE SIZE	COLOR	FERRULE NO.	LENGTH	LOCATION	,	LOCATION	TER.NO.	
				JMPER WIRIN			TING(CABIN-3		5)
	1,5 SQ.MM	R	FLD 52 01 01	5000	B10X1	1	B11X1	1	
	1.5 SQ.MM	BLK	FLD 52 01 02	5000	B10X1	2	B11X1	2	FLS-3
	1.5 SQ.MM	В	FLE 52 01 04	5000	B10X1	5	B11X1	5	
12	1.5 SQ.MM	BLK	FLE 52 01 05	5000	B10X1	6	B11X1	6	FLE-11
	1.5 SQ.MM	СН	NL 52 03 03	5000	B10X1	7	B11X1	7	
	1.5 SQ.MM	w	NL 52 03 04	5000	B10X1	8	B11X1	8	- NL-11
	1.5 SQ.MM	GNYE	52 01 03	5000	B10X1	9,10	B11X1	9,10	LIGHTING EARTH
- 13	100000000000000000000000000000000000000		1 4 7 4 7	100 3049	1, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		100000000000000000000000000000000000000		de al competition de la competition de
			JI	IMPER WIRIN	G FOR CORR	JDOR LIGHT	TING(CABIN-5	TO CABIN-	
	1.5 SQ.MM	R	FLD 52 01 01	5000	B11X1	1	B12X1	1	
	1.5 SQ.MM	BLK	FLD 52 01 02	5000	B11X1	2	B12X1	2	FLS-4
	1.5 SQ.MM	В	FLE 52 01 04	5000	B11X1	5	B12X1	5	
13	1.5 SQ.MM	BLK	FLE 52 01 05	5000	B11X1	6	B12X1	6	FLE-12
	1.5 SQ.MM	СН	NL 52 03 03	5000	B11X1	7	B12X1	7	
	1.5 SQ.MM	w	NL 52 03 04	5000	B11X1	8	B12X1	8	NL-12
	1.5 SQ.MM	GNYE	52 01 03	5000	B11X1	9,10	B12X1	9,10	LIGHTING EARTH
	1. 1. 1. 1. 1. 1.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	The second second			7 1 1 1 1 1 1			
					B1X1 TO SWI	TCH POINTS	(CABIN-1)		
************	1.5 SQ.MM	В	SW 52 01 04	1000	B1X1	3	52S2	1	FLE-1
14	1.5 SQ.MM	СН	SW 52 03 03	1000	B1X1	5	72A1	1	NL-1
	1.5 SQ.MM	R	SW 52 01 01	1000	B1X1	1	52S1	1	FLD-1
						12741174	42 T 1		
					32X1 TO SWI	TCH POINTS	(CABIN-2)		· · · · · · · · · · · · · · · · · · ·
	1.5 SQ.MM	8	SW 52 01 04	1000	B2X1	3	52S2	1	FLE-2
15	1.5 SQ.MM	СН	SW 52 03 03	1000	B2X1	5	72A1	1	NL-2
	1.5 SQ.MM		SW 52 01 01	1000	B2X1	1	52S1	1	FLD-2
	T. 114. 11.		Market a feet	1.41556	74 Jenny	77			
				Ε	3X1 TO SWI	TCH POINTS	(CABIN-3)		
	1.5 SQ.MM	В	SW 52 01 04	1000	B3X1	3	5282	1	FLE-3
16	1.5 SQ.MM		SW 52 03 03	1000	B3X1	5	72A1		NL-3
	1.5 SQ.MM	R	SW 52 01 01	1000	B3X1	1	52S1	1	FLD-3
	.,		CANADAN PARALANG				1	21 53-55	
				E	34X1 TO SWIT	CH POINTS	(CABIN-4)		
	1.5 SQ.MM	В	SW 52 01 04	1000	B4X1	3	52S2	1	FLE-4
17	1.5 SQ.MM	СН	SW 52 03 03	1000	B4X1	5	72A1	1	NL-4
	1.5 SQ.MM	R	SW 52 01 01	1000	B4X1	1	52S1	1	FLD-4
		1.00			M. (1991) 401.	J. 1. 1949.			ing it was a second of the
		······································	· · · · · · · · · · · · · · · · · · ·	E	5X1 TO SWIT	CH POINTS	(CABIN-5)		
	1.5 SQ.MM	В	SW 52 01 04	1000	B5X1	3	52S2	1	FLE-5
1	1.5 SQ.MM	СН	SW 52 03 03	1000					
18					55A1	5 i	72A1	1	NL-5
- 1	1.5 SQ.MM	R	SW 52 01 01	1000	B5X1	5	72A1 52S1		NL-5 FLD-5
ŀ	1.5 SQ.MM	R	SW 52 01 01						NL-5 FLD-5
- 1			SW 52 01 01	1000	B5X1	1	52S1		FLD-5
			SW 52 01 01 SW 52 01 04	1000	B5X1	1	52S1	1	FLDS
		В		1000 B	B5X1 6X1 TO SWIT	1 CH POINTS	52S1 (CABIN-6)	1	FLD-5
19	1.5 SQ.MM	B CH	SW 52 01 04	1000 B 1000	B5X1 6X1 TO SWIT B6X1	1 CH POINTS 3	52S1 (CABIN-6) 52S2	1 1	FLD-5 FLE-6
19	1.5 SQ.MM 1.5 SQ.MM	B CH	SW 52 01 04 SW 52 03 03	1000 B	B5X1 6X1 TO SWIT B6X1 B6X1	1 CH POINTS 3 5	52S1 (CABIN-6) 52S2 72A1	1 1	FLD-5 FLE-6 NL-6
19	1.5 SQ.MM 1.5 SQ.MM	B CH	SW 52 01 04 SW 52 03 03	1000 B 1000 1000 1000	B5X1 6X1 TO SWIT B6X1 B6X1	1 CH POINTS 3 5 1	52S1 (CABIN-6) 52S2 72A1 52S1	1 1	FLD-5 FLE-6 NL-6
19	1.5 SQ.MM 1.5 SQ.MM	B CH R	SW 52 01 04 SW 52 03 03	1000 B 1000 1000 1000	B5X1 6X1 TO SWIT B6X1 B6X1 B6X1	1 CH POINTS 3 5 1	52S1 (CABIN-6) 52S2 72A1 52S1	1 1 1 1	FLD-5 FLE-6 NL-6
19	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	B CH R	SW 52 01 04 SW 52 03 03 SW 52 01 01	1000 B 1000 1000 B 1000 B	B5X1 6X1 TO SWIT B6X1 B6X1 B6X1 7X1 TO SWIT B7X1	1 TCH POINTS 3 5 1 TCH POINTS 3	52S1 (CABIN-6) 52S2 72A1 52S1 (CABIN-7) 52S2	1 1 1 1	FLE-6 NL-6 FLD-6
19	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	B : CH : B : CH :	SW 52 01 04 SW 52 03 03 SW 52 01 01	1000 B 1000 1000 1000 B	B5X1 6X1 TO SWIT B6X1 B6X1 B6X1 7X1 TO SWIT	1 CH POINTS 3 5 1	52S1 (CABIN-6) 52S2 72A1 52S1 (CABIN-7)	1 1 1 1 1 1 1	FLE-6 NL-6 FLD-6
19	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	B :	SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 03 03	1000 B 1000 1000 1000 B 1000 1000	B5X1 6X1 TO SWIT B6X1 B6X1 B6X1 7X1 TO SWIT B7X1 B7X1	1 CH POINTS 3 5 1 CH POINTS 3 5 1 1	52S1 (CABIN-6) 52S2 72A1 52S1 (CABIN-7) 52S2 72A1	1 1 1 1 1 1 1	FLD-5 FLE-6 NL-6 FLD-6 FLD-7
19	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	B :	SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 03 03	1000 B 1000 1000 B 1000 1000 1000 1000	B5X1 6X1 TO SWIT B6X1 B6X1 B6X1 7X1 TO SWIT 87X1 B7X1 B7X1	1 CH POINTS 3 5 1	52S1 (CABIN-6) 52S2 72A1 52S1 (CABIN-7) 52S2 72A1 52S1 52S1	1 1 1 1 1 1 1	FLD-5 FLE-6 NL-6 FLD-6 FLD-7
19	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	B CH CH CCH CCH CCH CCH CCH CCH CCH CCH	SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 03 03	1000 B 1000 1000 B 1000 1000 1000 1000	B5X1 6X1 TO SWIT B6X1 B6X1 B6X1 7X1 TO SWIT 87X1 87X1 87X1	1 CH POINTS 3 5 1	52S1 (CABIN-6) 52S2 72A1 52S1 (CABIN-7) 52S2 72A1 52S1 52S1	1 1 1 1 1 1 1 1 1 1	FLD-5 FLE-6 NL-6 FLD-6 FLD-7
19	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	B CH	SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 01 04 SW 52 03 03 SW 52 01 01	1000 B 1000 1000 1000 B 1000 1000 B B 1000 1000 B B 1000 1000 B B B 1000 1000 B B B B	B5X1 6X1 TO SWIT B6X1 B6X1 B6X1 B6X1 7X1 TO SWIT B7X1 B7X1 B7X1 B7X1 B7X1 B7X1 B7X1	CH POINTS 3 5 1 CH POINTS 3 5 1 CH POINTS CH POINTS	52S1 (CABIN-6) 52S2 72A1 52S1 (CABIN-7) 52S2 72A1 52S1 (CABIN-8)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD-5 FLE-6 NL-6 FLD-6 FLE-7 NL-7 FLD-7
19	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	B CH	SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 03 03 SW 52 01 01	1000 B 1000 1000 1000 1000 B 1000 1000	B5X1 6X1 TO SWIT B6X1 B6X1 B6X1 F5X1 F5X1 B7X1	CH POINTS CH POINTS CH POINTS CH POINTS CH POINTS The point of th	52S1 (CABIN-6) 52S2 72A1 52S1 (CABIN-7) 52S2 72A1 52S1 (CABIN-8) 52S2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD-5 FLE-6 NL-6 FLD-6 FLE-7 NL-7 FLD-7
119	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	B CH	SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 03 03 SW 52 01 01	1000 B 1000 1000 1000 B 1000 1000 1000	B5X1 6X1 TO SWIT B6X1 B6X1 B6X1 7X1 TO SWIT B7X1	CH POINTS CH POINTS CH POINTS CH POINTS CH POINTS The point of th	52S1 (CABIN-6) 52S2 72A1 52S1 (CABIN-7) 52S2 72A1 52S1 (CABIN-8) 52S2 72A1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD-5 FLE-6 NL-6 FLD-6 FLE-7 NL-7 FLD-7 FLE-8 NL-8
220	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	B CH	SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 03 03 SW 52 01 04	1000 B 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	B5X1 6X1 TO SWIT B6X1 B6X1 B6X1 7X1 TO SWIT B7X1	1 CH POINTS 3 5 1 CH POINTS 3 5 1 CH POINTS 3 5 1 1 CH POINTS 1	52S1 (CABIN-6) 52S2 72A1 52S1 (CABIN-7) 52S2 72A1 52S1 (CABIN-8) 52S2 72A1 52S1 . 52S1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD-5 FLE-6 NL-6 FLD-6 FLD-7 FLD-7 FLE-8 NL-8 FLD-8
119	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	B CH	SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 03 03 SW 52 01 04	1000 B 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	85X1 6X1 TO SWIT 86X1 86X1 86X1 86X1 7X1 TO SWIT 87X1 1 CCH POINTS 3 5 1 CCH POINTS 3 5 1 CCH POINTS 3 5 1 ING (INSIDE	52S1 (CABIN-6) 52S2 72A1 52S1 (CABIN-7) 52S2 72A1 52S1 (CABIN-8) 52S2 72A1 52S1 . 52S1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD-5 FLE-6 NL-6 FLD-6 FLD-7 FLD-7 FLE-8 NL-8 FLD-8	
220	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	B CH	SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 03 03 SW 52 01 04	1000 B 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	85X1 6X1 TO SWIT 86X1 86X1 86X1 86X1 7X1 TO SWIT 87X1 1 CCH POINTS 3 5 1 CCH POINTS 3 5 1 CCH POINTS 3 5 1 ING (INSIDE	52S1 (CABIN-6) 52S2 72A1 52S1 (CABIN-7) 52S2 72A1 52S1 (CABIN-8) 52S2 72A1 52S1 (CABIN-8) 52S2 72A1 52S1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD-5 FLE-6 NL-6 FLD-6 FLE-7 NL-7 FLD-7 FLE-8 NL-8 FLD-8	
119	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	B CH	SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 03 03 SW 52 01 01 SW 52 01 04 SW 52 03 03 SW 52 01 04	B 1000 1000 1000 1000 B 1000 1000 1000	85X1 6X1 TO SWIT 86X1 86X1 86X1 86X1 7X1 TO SWIT 87X1 1 CCH POINTS 3 5 1 CCH POINTS 3 5 1 CCH POINTS 3 5 1 LING (INSIDE	52S1 (CABIN-6) 52S2 72A1 52S1 (CABIN-7) 52S2 72A1 52S1 (CABIN-8) 52S2 72A1 52S1 (CABIN-8) 52S2 72A1 52S1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD-5 FLE-6 NL-6 FLD-6 FLD-7 NL-7 FLD-7 FLE-8 NL-8 FLD-8	

SSE/CAT

W.

DY.QEE/D D

				LENGTH	FRO	M	TO		
r No	CABLE SIZE	COLOR	FERRULE NO.	LENGTH	LOCATION	TER. NO.	LOCATION	TER.NO.	
			CI C 52 01 04	5000	52\$2	2	88E1	1	·
	1.5 SQ.MM	В	FLE 52 01 04		B1X1	4	B8E1	2	FLE
Į	1.5 SQ.MM	BLK	FLE 52 01 05	4600	B1X1	11	B8E1	PE	
2A	1.5 SQ.MM	GNYE	FLE 52 01 03	4600		2	B9E1	1	
ĺ	1.5 SQ.MM	CH	NL 52 03 03	5000	52S3			2	NL .
	1.5 SQ.MM	w	NL 52 03 04	4600	B1X1	6	B9E1		ANTONIA CONTRACTOR ANTONIA CONTRACTOR
					vo Hijikas	<u> 1876/0444</u>		· · · · · · · · · · · · · · · · · · ·	T T
	1.5 SQ.MM	СН	AL32 04 05	4600	B1X1	7	43S3	1	_
22B		w	AL43 01 02	4600	B1X1	8	43\$3	2	LS
226	1.5 SQ.MM	BLK	AL43 01 03	4600	B1X1	13	43\$3	PE	
	1.5 SQ.MM	BLK	1200000	121214	47.1.11.15.15.17.1.1.1.1	of the same	734	din a Pagi	
		2000000	40.0 121114	HARNE	SS UPTO LIG	HTS/LIMIT	SWITCHES(CA	BIN-2)	
		·				2	B7E1	1	
	1.5 SQ.MM	R	FLD 52 01 01	3000	52S1		87E1	2	FLD
23	1.5 SQ.MM	BLK	FLD 52 01 02	2600	B1X1	2		PE	- -
	1.5 SQ.MM	GNYE	FLD 52 01 03	2600	B1X1	11	87E1	J - FE	<u> </u>
		1		The state of the s			s en littler		
	1.5 SQ.MM	В	FLE 52 01 04	5000	52\$2	2	B8E1	1	
			FLE 52 01 05	4600	B1X1	4	B8E1	2	FLE
	1.5 SQ.MM	BLK		4600	B1X1	11	B8E1	PE	
23A	1.5 SQ.MM	GNYE				2	B9E1	1	
	1.5 SQ.MM	СН	NL 52 03 03	5000	5253			2	- NL
	1.5 SQ.MM	W	NL 52 03 04	4600	B1X1	6	B9E1		
77.7	the state of	garate?		17.1 1			<u> </u>	<u> </u>	<u> </u>
	1.5 SQ.MM	СН	AL32 04 05	4600	B1X1	7	43\$3	11	4 _
23P	1.5 SQ.MM	w	AL43 01 02	4600	B1X1	8	43\$3	2	LS
23B	<u> </u>			4600	B1X1	13	43\$3	PE	
	1.5 SQ.MM	BLK	AL43 01 03	7500	J Bixt	-		1	
			<u> 1939 TEN 195.</u>	444.554	ESS UPTO LIG	LITC/ IMIT	SWITCHESIC	ABIN-3)	
								1 1	
	1.5 SQ.MM	R	FLD 52 01 01	3000	52\$1	2	B7E1		
24	1.5 SQ.MM	BLK	FLD 52 01 02	2600	B1X1	2	B7E1	2	FLD
	1,5 SQ.MM	GNYE	FLD 52 01 03	2600	B1X1	11	B7E1	PE	
	11.5 00.11111	7.52 333	i jagrage ji	Blanch 1994	S Augustustian	aged ji	1.34 (0.5)	Parki	
	**************************************			5000	52S2	2	B8E1	1	
•	1.5 SQ.MM	В	FLE 52 01 04				B8E1	2	FLE
	1.5 SQ.MM	BLK	FLE 52 01 05	4600	B1X1	4			
24A	1.5 SQ.MM	GNYE	FLE 52 01 03	4600	B1X1	11	B8E1	PE	
	1.5 SQ.MM	CH	NL 52 03 03	5000	52\$3	2	B9E1	1	- NL
	1.5 SQ.MM	w	NL 52 03 04	4600	B1X1	6	B9E1	2	
	1.5 30.19191	1 2 2 2	14.0		31 - 12 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		12.07 (15.45)		
			1	4600	B1X1	7	4353	- 1	
	1.5 SQ.MM	СН	AL32 04 05			8	4353	2	LS
24B	1.5 SQ.MM	W	AL43 01 02	4600	B1X1			PE	-
	1.5 SQ.MM	BLK	AL43 01 03	4600	B1X1	13	4353	FE	
		- Carabill					<u> </u>		
				HARN	ESS UPTO LIC	SHTS/LIMIT	SWITCHES(C	ABIN-4)	
	1.5 SQ.MM	R	FLD 52 01 01	3000	52S1	2	B7E1	1	
25		BLK		2600	B1X1	2	87E1	2	FLD
25	1.5 SQ.MM				B1X1	11	B7E1	PE	
	1.5 SQ.MM	GNYE	FLD 52 01 03	2600	1 31/21			-1	
111	112 (112)	<u> </u>	<u> Agranti Artines.</u>	<u> </u>	<u> </u>	1 1 1 1 1 1	T	7	
	1.5 SQ.MM	В	FLE 52 01 04	5000	52S2	2	B8E1	1 1	
	1.5 SQ.MM	BLK	FLE 52 01 05	4600	B1X1	4	B8E1	2	FLE
25A	1.5 SQ.MM		FLE 52 01 03	4600	B1X1	11	88E1	PE	
231				5000	5253	2	B9E1	1	NI
	1.5 SQ.MM	CH		4600	B1X1	6	B9E1	2	NL
	1.5 SQ.MM	W	NL 52 03 04			i de la colo	1 2021	-	
		4,34,4	4.041.02(1);5174(%4						
	1.5 SQ.MM	CH	AL32 04 05	4600	B1X1	7	43\$3	1	-1.6
25B	1.5 SQ.MM	w	AL43 01 02	4600	B1X1	8	43S3	2	LS
	1.5 SQ.MM	BLK	AL43 01 03	4600	B1X1	13	4353	PE	<u> </u>
	1.5 00.1414		11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Hi mark	and Frequency		A DESTRUCTION		
					NESS UPTO LI	GHTS/LIMI	T SWITCHES(C	CABIN-5)	
						2	B7E1	1	
	1.5 \$Q.MM	R	FLD 52 01 01	3000	5281	_		2	FLD
26	1.5 SQ.MM	BLK	FLD 52 01 02	2600	B1X1	2	87E1		
	1.5 SQ.MM	GNY	E FLD 52 01 03	2600	B1X1	11	B7E1	PE	
				2. (C. C. 11)			4.00	<u> </u>	
	4.555.55		FLE 52 01 04	5000	52\$2	2	B8E1	1 1	
	1.5 SQ.MM	B			B1X1	4	B8E1	2	FLE
	1.5 SQ.MM	BLK		4600				PE	
	1.5 SQ.MM	GNY	E FLE 52 01 03	4600	B1X1	11	B8E1		
26A			1	1 5000	52S3	2	B9E1	1	. 1
26A	1.5 SQ.MM	CH	NL 52 03 03	5000	3233	6	B9E1	2	NL







Har No		00:	5500U = 110	1.50.00	FRO	OM	TC)	REMARKS
riai No	CABLE SIZE	COLOR	FERRULE NO.	LENGTH	LOCATION	TER. NO.	LOCATION	TER.NO.	
	1.5 SQ.MM	CH	AL32 04 05	4600	B1X1	7	43\$3	1	
26B	1.5 SQ.MM	W	AL43 01 02	4600	B1X1	8	43\$3	2	LS
	1.5 SQ.MM	BLK	AL43 01 03	4600	B1X1	13	43S3	PE	1
	OCC.IVIIVI	JER	AL43 01 03	4000	I BIXI	13			Hariarah da kabangga kalanda at banasa sa sa
		<u> </u>				HTS/LIMIT S	WITCHES(CAL		
	1.5 SQ.MM	R	FLD 52 01 01	3000	52S1	2	B7E1	1	T
27	1.5 SQ.MM	BLK	FLD 52 01 02	2600	B1X1	2	B7E1	2	FLD
2.			 	2600	B1X1	11	B7E1	PE	
	1.5 SQ.MM	GNYE	FLD 52 01 03	2600	PIA!		D/E1		
	1.5 SQ.MM	-	EI E 50.04.04		52S2	2	B8E1	-	
		B	FLE 52 01 04	5000	 			1	- FLE
27A	1.5 SQ.MM	BLK	FLE 52 01 05	4600 .	B1X1	4	B8E1	2	
ZIM	1.5 SQ.MM	GNYE	FLE 52 01 03	4600	B1X1	11	B8E1	PE	
	1.5 SQ.MM	CH	NL 52 03 03	5000	52\$3	2	89E1	1	-NL
	1.5 SQ.MM	W	NL 52 03 04	4600	B1X1	6	B9E1	2	<u> </u>
<u>. 600</u>				eld const			<u> </u>		
	1.5 SQ.MM	СН	AL32 04 05	4600	B1X1	7	4353	11	_
27B	1.5 SQ.MM	w	AL43 01 02	4600	B1X1	8	43\$3	2	LS
	1.5 SQ.MM	BLK	AL43 01 03	4600	B1X1	13	4353	PE	
		32.44,32			javaniji nj	114 3.3	<u> </u>		
				HARNES	SS UPTO LIGI	HTS/LIMIT S	WITCHES(CAE	3IN-7)	
	1.5 SQ.MM	R	FLD 52 01 01	3000	52S1 .	2	B7E1	1	
28	1.5 SQ.MM	BLK	FLD 52 01 02	2600	B1X1	2	B7E1	2	FLD
	1.5 SQ.MM		FLD 52 01 03	2600	B1X1	11	B7E1	PE	1
		T:	TRUNCHER AND	A transfer of	. A. w. ()	grange, jing	aristaria.	gayent etc	Nagara a tras con a confrata con por a con el carrar.
	1.5 SQ.MM	В	FLE 52 01 04	5000	52S2	2	B8E1	1	T
	1.5 SQ.MM		FLE 52 01 05	4600	B1X1	4	B8E1	·2	FLE
28A	1.5 SQ.MM		FLE 52 01 03	4600	B1X1	11	98E1	PE	
	1.5 SQ.MM								
			NL 52 03 03	5000	52S3	2	B9E1	1	NL
	1.5 SQ.MM	W	NL 52 03 04	4600	B1X1	6	B9E1	2	
		11,111							<u> </u>
	1.5 SQ.MM		AL32 04 05	4600	B1X1	7	43\$3	11	
28B	1.5 SQ.MM	W	AL43 01 02	4600	B1X1	8	43\$3	2	LS
	1.5 SQ.MM	BLK	AL43 01 03	4600	B1X1	13	43S3	PE	
				·					
						Marian da de la companya da de la comp			
						ITS/LIMIT SI	WITCHES(CAB	20 M	Annie de la constante de la co
	1.5 SQ.MM		FLD 52 01 01			ITS/LIMIT SV		20 M	
29	1.5 SQ.MM 1.5 SQ.MM	R	FLD 52 01 01 FLD 52 01 02	HARNES	S UPTO LIGH		WITCHES(CAB	IN-8)	FLD
29		R BLK		HARNES 3000	SS UPTO LIGH 52S1	2	NITCHES(CAB	in-8)	
29	1.5 SQ.MM	R BLK	FLD 52 01 02	HARNES 3000 2600	52S1 B1X1	2 2	WITCHES(CAB B7E1 B7E1	iN-8) 1 2	
	1.5 SQ.MM	R BLK GNYE	FLD 52 01 02	HARNES 3000 2600	52S1 B1X1	2 2	NITCHES(CAB B7E1 B7E1 B7E1	1 2 PE	
:	1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE	FLD 52 01 02 FLD 52 01 03	HARNES 3000 2600 2600	52S1 52S1 B1X1 B1X1	2 2 11	WITCHES(CAB 87E1 87E1 87E1	1 2 PE	
	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05	HARNES 3000 2600 2600 5000 4600	52S1 B1X1 B1X1 52S2 B1X1	2 2 11 2 4	### MITCHES(CAB ### B7E1 ### B7E1 ### B8E1 ### B8E1	1 2 PE 1 2	FLD
29A	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 03	HARNES 3000 2600 2600 5000 4600 4600	52S1 B1X1 B1X1 B1X1 52S2 B1X1 B1X1	2 2 11 2 2 4 11 11	87E1 87E1 88E1 88E1 88E1 88E1	1 2 PE 1 2 PE	FLD
29A	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 03 NL 52 03 03	HARNES 3000 2600 2600 5000 4600 4600 5000	52S1 B1X1 B1X1 B1X1 52S2 B1X1 B1X1 52S3	2 2 11 2 4 11 2	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B8E1 B8E1	1 2 PE 1 PE 1	FLD
29A	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 03	HARNES 3000 2600 2600 5000 4600 4600	52S1 B1X1 B1X1 B1X1 52S2 B1X1 B1X1	2 2 11 2 2 4 11 11	87E1 87E1 88E1 88E1 88E1 88E1	1 2 PE 1 PE 1	FLD
29A	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04	HARNES 3000 2600 2600 5000 4600 4600 5000 4600	52S1 B1X1 B1X1 B1X1 52S2 B1X1 B1X1 52S3 B1X1	2 2 11 2 4 11 2 6	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B8E1 B9E1 B9E1	1 2 PE 1 2 PE 1 2	FLD
29A	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04	HARNES 3000 2600 2600 5000 4600 5000 4600 5000 4600	52S1 B1X1 B1X1 B1X1 52S2 B1X1 B1X1 52S3 B1X1 B1X1	2 2 11 2 4 11 2 6	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B8E1 B9E1 B9E1	1 2 PE 1 2 PE 1 2	FLD FLE NL
29A 29B	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02	HARNES 3000 2600 2600 5000 4600 4600 4600 4600	52S1 B1X1 B1X1 B1X1 52S2 B1X1 B1X1 52S3 B1X1 52S3 B1X1 B1X1 B1X1	2 2 11 2 4 11 2 6 6 7 8 8	MTCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B8E1 B9E1 B9E1 43S3 43S3	1 2 PE 1 2 PE 1 2 1 2 2 2 1 2	FLD
29A 29B	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03	HARNES 3000 2600 2600 5000 4600 4600 4600 4600 4600 4600	52S1 B1X1 B1X1 B1X1 52S2 B1X1 B1X1 52S3 B1X1 B1X1 52S3 B1X1 B1X1 B1X1	2 2 11 2 4 11 2 6	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B8E1 B9E1 B9E1 43S3 43S3 43S3	1 2 PE 1 2 PE 1 2 PE	FLD FLE NL
29A 29B	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02	HARNES 3000 2600 2600 5000 4600 4600 4600 4600 4600 4600 4	52S1 B1X1 B1X1 B1X1 52S2 B1X1 B1X1 B1X1 52S3 B1X1 B1X1 B1X1 B1X1	2 2 11 11 2 4 11 2 6 7 8 8 13	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B8E1 B9E1 B9E1 43S3 43S3 43S3	1 2 PE 1 2 2 PE 1 2 PE 1 PE 1 PE 1 PE 1	FLD FLE NL
29A 29B	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W CH W BLK	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03	HARNES 3000 2600 2600 5000 4600 4600 4600 4600 4600 4600 4	52S1 B1X1 B1X1 52S2 B1X1 B1X1 52S2 B1X1 B1X1 52S3 B1X1 B1X1 CORRIDOR W	2 2 11 11 2 4 11 2 6 7 8 8 13	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B8E1 B9E1 B9E1 43S3 43S3 43S3	1 2 PE 1 2 PE 1 2 PE 1 1 1 2 PE 1 1 1 2 PE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD FLE NL LS
29A 29B	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W CH W BLK	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03	HARNES 3000 2600 2600 5000 4600 4600 4600 4600 4600 4600 4	52S1 B1X1 B1X1 B1X1 52S2 B1X1 B1X1 B1X1 52S3 B1X1 B1X1 B1X1 B1X1	2 2 11 11 2 4 11 2 6 7 8 8 13	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B8E1 B9E1 B9E1 43S3 43S3 43S3	1 2 PE 1 2 PE 1 2 PE 1 1 1 2 PE 1 1 1 2 PE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD FLE NL
29A 29B	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W BLK	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03 SW 520101 SW 520303	HARNES 3000 2600 2600 2600 4600 4600 4600 4600 4	52S1 B1X1 B1X1 52S2 B1X1 B1X1 52S2 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1	2 2 11 1 2 4 11 2 6 7 8 13 13 1AGO TERM	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B9E1 B9E1 43S3 43S3 43S3 43S3 WINAL-1 TO SW 52S25 52S26	1 2 PE 1 2 PE 1 2 PE 1 1 1 2 PE 1 1 1 2 PE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD FLE NL LS TS FLS SWITCH NL SWITCH
29A 29B	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W CH W BLK	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03 SW 520101	HARNES 3000 2600 2600 2600 4600 4600 4600 4600 4	52S1 B1X1 B1X1 52S2 B1X1 B1X1 52S2 B1X1 B1X1 52S3 B1X1 B1X1 B1X1 CORRIDOR W	2 2 11 11 2 4 11 2 6 5 13 13 14 AGO TERM 1	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B8E1 B9E1 43S3 43S3 43S3 43S3	1 2 PE 1 2 PE 1 2 PE 1 1 1 2 PE 1 1 1 2 PE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD FLE NL LS TS FLS SWITCH
29A 29B	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W CH W BLK	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03 SW 520101 SW 520303	HARNES 3000 2600 2600 2600 5000 4600 4600 4600 4600 4600 4600 2000 20	52S1 B1X1 B1X1 52S2 B1X1 B1X1 52S2 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1	2 2 11 11 2 4 11 2 6 6 13 13 14 AGO TERM 1 5 1	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B9E1 B9E1 43S3 43S3 43S3 43S3 WINAL-1 TO SW 52S25 52S26	1 2 PE 1 2 PE 1 2 PE 1 1 1 2 PE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD FLE NL LS FS FLS SWITCH NL SWITCH
229A 229B 330	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W BLK CH	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03 SW 520101 SW 520303	HARNES 3000 2600 2600 2600 5000 4600 4600 4600 4600 4600 4600 2000 20	52S1 B1X1 B1X1 52S2 B1X1 B1X1 52S2 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1	2 2 11 11 2 4 11 2 6 6 13 13 14 AGO TERM 1 5 1	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B9E1 B9E1 43S3 43S3 43S3 WINAL-1 TO SW 52S25 52S26	1 2 PE 1 2 PE 1 2 PE 1 1 1 2 PE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD FLE NL LS FS FLS SWITCH NL SWITCH
229A 229B 330 331 -	1.5 SQ.MM 1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W BLK CH R	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03 SW 520101 SW 520303	HARNES 3000 2600 2600 5000 4600 4600 4600 4600 4600 2000 2000 2	52S1 B1X1 B1X1 52S2 B1X1 B1X1 52S2 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1	2 2 11 1 2 4 11 2 6 5 13 13 VAGO TERM	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B9E1 B9E1 43S3 43S3 43S3 INAL-1 TO SW 52S25 52S26 D SWITCH PO	1 2 PE 1 2 PE 1 2 PE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD FLE NIL LS IS FLS SWITCH NIL SWITCH
229A 229B 330 331 -	1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W BLK CH R CH	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03 SW 520101 SW 520303	HARNES 3000 2600 2600 5000 4600 4600 4600 4600 4600 2000 2000 2	52S1 B1X1 B1X1 52S2 B1X1 B1X1 52S2 B1X1 B1X1 52S3 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1	2 2 11 1 2 4 4 111 2 6 6 13 13 14 5 14 5 15 15 16 17 17 17 17 17 17 17 17 17 17 17 17 17	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B8E1 B9E1 B9E1 43S3 43S3 43S3 43S3 INAL-1 TO SW 52S25 52S26 D SWITCH POI 52S25 52S26	1 2 PE 1 2 PE 1 2 PE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLD FLE NIL LS TS FLS SWITCH NIL SWITCH FLS SWITCH NIL SWITCH
229A 229B 330 - 331 -	1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W BLK CH R CH	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03 SW 520101 SW 520303 SW 520303	HARNES 3000 2600 2600 5000 4600 4600 4600 4600 2000 2000 CORRIDG 2000	SUPTO LIGHT 52S1 B1X1 B1X1 S2S2 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X	2 2 11 1 2 4 11 2 5 5 13 13 14 5 5 1 5 5 1 15 5 1 15 1 15	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B8E1 B9E1 B9E1 B9E2 B9E2 B9E2 B9E2 B9E3 B9E3 B9E3 B9E3 B9E3 B9E3 B9E3 B9E3	1 2 PE 1 2 PE 1 2 PE 1 1 1 1	FLD FLE NIL LS TS FLS SWITCH NIL SWITCH FLS SWITCH NIL SWITCH
330 - 331 -	1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W BLK CH R CH	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03 SW 520101 SW 520303 SW 520303	HARNES 3000 2600 2600 5000 4600 4600 4600 4600 2000 2000 CORRIDG	SUPTO LIGHT 52S1 B1X1 B1X1	2 2 11 1 2 4 11 2 6 6 13 3 13 13 14 5 5 15 5 17 1 5 5 17 1 5 1 5	MITCHES(CAB B7E1 B7E1 B8E1 B8E1 B8E1 B8E1 B9E1 43S3 43S3 43S3 43S3 INAL-1 TO SW 52S25 52S26 D SWITCH POI D SWITC	1 2 PE 1 2 PE 1 2 PE 1 1 1 1 PE 1 1 1 1 PE 1 1 PE 1 1 1 PE 1 PE 1 1 PE 1 P	FLD FLE NL LS IS FLS SWITCH NL SWITCH NL SWITCH
229A 229B 330 331 331	1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W BLK CH R CH R	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03 SW 520101 SW 520303 SW 520303 SW 520101 SW 520303	HARNES 3000 2600 2600 5000 4600 4600 4600 4600 2000 2000 CORRIDG 2000 2000	SUPTO LIGH 52S1 B1X1 B1X1 52S2 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X	2 2 11 1 2 4 11 2 6 6 13 13 14 5 5 15 5 11 1 1 1 1 1 1 1 1 1 1 1 1	MITCHES(CAB B7E1 B7E1 B8E1 B8E1 B8E1 B9E1 B9E1 43S3 43S3 43S3 INAL-1 TO SW 52S25 52S26 D SWITCH POI 52S25	1 2 PE 1 2 PE 1 2 PE 1 1 2 PE 1 1 2 PE 1 1 2 PE 1 1 1 2 PE 1 1 1 1 PE 1 PE	FLD FLE NL LS TS FLS SWITCH NL SWITCH NL SWITCH FLS SWITCH NL SWITCH
229A 229B 330 331 331	1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W BLK R CH R CH R CH	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03 SW 520101 SW 520303 SW 520303	HARNES 3000 2600 2600 5000 4600 4600 4600 4600 2000 2000 CORRIDG	SUPTO LIGHT 52S1 B1X1 B1X1	2 2 11 1 2 4 11 2 6 6 13 3 13 13 14 5 5 15 5 17 1 5 5 17 1 5 1 5	MITCHES(CAB B7E1 B7E1 B8E1 B8E1 B8E1 B8E1 B9E1 43S3 43S3 43S3 43S3 INAL-1 TO SW 52S25 52S26 D SWITCH POI D SWITC	1 2 PE 1 2 PE 1 2 PE 1 1 2 PE 1 1 2 PE 1 1 2 PE 1 1 1 2 PE 1 1 1 1 PE 1 PE	FLD FLE NL LS IS FLS SWITCH NL SWITCH NL SWITCH FLS SWITCH FLS SWITCH NL SWITCH
29A 29B 330 331	1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W BLK R CH R CH R CH	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL43 01 02 AL43 01 03 SW 520101 SW 520303 SW 520101 SW 520303 SW 520101 SW 520303	HARNES 3000 2600 2600 2600 5000 4600 4600 4600 4600 2000 2000 CORRIDO 2000 CORRIDO 2000 2000 2000	SS UPTO LIGHT 52S1 B1X1 B1X1 S2S2 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X	2 2 11 1 2 4 11 2 6 1 3 13 13 13 13 13 13 13 14 15 1 1 1 5 1 1 1 5 1 1 1 5 1 1 1 1 5 1	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B9E1 B9E1 B9E1 B9E2 A3S3 A3S3 A3S3 BINAL-1 TO SW 52S25 52S26 D SWITCH POI 52S25 52S26 D SWITCH POI 52S25 52S26	IN-8) 1 2 PE 1 2 PE 1 2 PE 1 2 ITCH POINT 1 INTS 1 INTS 1 I	FLD FLE NL LS TS FLS SWITCH NL SWITCH NL SWITCH FLS SWITCH FLS SWITCH
30 31 31 32 32	1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W BLK CH R CH R CH	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL32 04 05 AL43 01 02 AL43 01 03 SW 520101 SW 520303 SW 520101 SW 520303 SW 520101 SW 520303	HARNES 3000 2600 2600 2600 5000 4600 4600 4600 4600 4600 2000 2000 CORRIDO 2000 2000 CORRIDO 2000 CORRIDO CORR	SS UPTO LIGH 52S1 B1X1 B1X1 52S2 B1X1 B1X1 52S3 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X	2 2 11 1 2 4 11 2 6 6 13 13 13 13 13 13 13 13 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B9E1 B9E1 43S3 43S3 43S3 INAL-1 TO SW 52S25 52S26 D SWITCH POI 52S25 52S26 D SWITCH POI 52S25 52S26	IN-8) 1 2 PE 1 1 2 PE 1 2 PE 1 2 PE 1 1 2 PE 1 1 2 PE NTTCH POINT 1 1 NTTS 1 1 NTTS 1 1	FLD FLE NIL LS IS FLS SWITCH NL SWITCH FLS SWITCH FLS SWITCH FLS SWITCH NL SWITCH
29A 29B 330 31 31 32 33	1.5 SQ.MM	R BLK GNYE B BLK GNYE CH W BLK CH CH R CH R CH R	FLD 52 01 02 FLD 52 01 03 FLE 52 01 04 FLE 52 01 05 FLE 52 01 05 FLE 52 01 03 NL 52 03 03 NL 52 03 04 AL43 01 02 AL43 01 03 SW 520101 SW 520303 SW 520101 SW 520303 SW 520101 SW 520303	HARNES 3000 2600 2600 2600 5000 4600 4600 4600 4600 2000 2000 CORRIDO 2000 CORRIDO 2000 2000 2000	SS UPTO LIGHT 52S1 B1X1 B1X1 S2S2 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X1 B1X	2 2 11 1 2 4 11 2 6 1 3 13 13 13 13 13 13 13 14 15 1 1 1 5 1 1 1 5 1 1 1 5 1 1 1 1 5 1	MITCHES(CAB B7E1 B7E1 B7E1 B8E1 B8E1 B8E1 B9E1 B9E1 B9E1 B9E2 A3S3 A3S3 A3S3 BINAL-1 TO SW 52S25 52S26 D SWITCH POI 52S25 52S26 D SWITCH POI 52S25 52S26	in-s) 1 2 PE 1 2 PE 1 2 PE 1 2 PE 1 1 2 NTS 1 1 NTS 1 1 NTS	FLD FLE NL LS IS FLS SWITCH NL SWITCH FLS SWITCH FLS SWITCH NL SWITCH FLS SWITCH NL SWITCH



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Han No	CABLE SIZE	COLOR	FERRULE NO.	LENGTH	FRO		TO		REMARKS	
Har No	CABLE SIZE	COLOR	PERRULE NO.	LENGIN	LOCATION	TER. NO.	LOCATION	TER.NO.		
					BRANCH WIR	ING (CORR	IDOR SIDE)			
			HARN	ESS UPTO L	IGHTS/LIMIT S	WITCHES(F	ROM CORRID	OR-1 TERM	INAL)	
	1.5 SQ.MM	R	FLS 52 01 01	3000	52\$1	2	B7E1	1		
	1.5 SQ.MM	BLK	FLS 52 01 02	1500	B1X1	2	B7E1	2	FLS-1	
34	1.5 SQ.MM	СН	NL 52 03 03	3000	5253	2	B9E1	1	NL-9	
	1.5 SQ.MM	W	NL 52 03 04	1500	B1X1	6	B9E1	2		•
	1.5 SQ.MM	GNYE	FLS 52 01 03	1500	B1X1	11	B7E1	PE	ALS.	
11.1	STATE OF	4	45.77.50		144, 401.	i i sa a		Alazada da		<u> </u>
	1.5 SQ.MM	В	FLE 52 01 04	4000	B9X1	2	88E1	1		
34A	1.5 SQ.MM	BLK	FLE 52 01 05	4000	B9X1	4	B8E1	2	FLE-9	
	1.5 SQ.MM	GNYE	FLE 52 01 03	4000	B9X1	11	B8E1	PE		
11/11/		1919-1467	NAME OF STREET	egyelji Hasiladi.		ur falli		Marketti.		., 22
			HARN	ESS UPTO L	IGHTS/LIMIT S	WITCHES(F	ROM CORRID	OR-2 TERM	IINAL)	
	1.5 SQ.MM	R	FLS 52 01 01	3000	52S1	2	87E1	1		
	1.5 SQ.MM	BLK	FLS 52 01 02	1500	B1X1	2	B7E1	2	FLS-2	
35	1.5 SQ.MM	СН	NL 52 03 03	3000	52S3	2	B9E1	1	7	
	1.5 SQ.MM	w	NL 52 03 04	1500	B1X1	6	B9E1	2		
	1.5 SQ.MM	GNYE	FLS 52 01 03	1500	B1X1	11	B7E1	PE	- NL-10	
	1.3 00.1414			THE LAKE	 	Çiyası i		5 .4 10		· · · · · · · · · · · · · · · · · · ·
	1.5 SQ.MM	В	FLE 52 01 04	4000	B10X1	2	B8E1	1		
35A	1.5 SQ.MM	BLK	FLE 52 01 05	4000	B10X1	4	B8E1	2	FLE-10	
	1.5 SQ.MM		FLE 52 01 03	4000	B10X1	11	B8E1	PE	1	
	1.J GULIVIIVI	GIVIE	1. 32 37 33		J.0X1		DOE!			
<u> </u>		<u> </u>	ЦАПА	ESS LIDTO!	CHTS/I IMIT C	EWITCHES!	ROM CORRID	<u> </u>		and the second
	4.5.00.111		T		,				IIIVAL)	
	1.5 SQ.MM	R	FLS 52 01 01	3000	52S1	2	B7E1	1		
	1.5 SQ.MM	BLK	FLS 52 01 02	1500	B1X1	2	B7E1	2	FLS-3	
36	1.5 SQ.MM	CH	NL 52 03 03	3000	52\$3	2	B9E1	1	-	
	1.5 SQ.MM	W	NL 52 03 04	1500	B1X1	6	89E1	2	NL-11	
	1.5 SQ.MM	GNYE	FLS 52 01 03	1500	B1X1	11	B7E1	PE	<u> </u>	
	<u> Artenier in 184</u>	77.5	terralisiák k	\$94 learnin		1,751,333		<u>, 1, 244, 1</u>		<u> 1921 - 1915 - 19</u>
	1.5 SQ.MM	В	FLE 52 01 04	4000	B11X1	2	B8E1	11		
36A	1.5 SQ.MM	BLK	FLE 52 01 05	4000	B11X1	- 4	B8E1	2	FLE-11	
	1.5 SQ.MM	GNYE	FLE 52 01 03	4000	B11X1	11	B8E1	PE		
						<u> 19 a - 11 </u>		11,212	uulin aalee ja taetaa 🕌	
			HARN	ESS UPTO LI	GHTS/LIMIT S	WITCHES(F	ROM CORRIDO	OR-4 TERM	IINAL)	
	1.5 SQ.MM	R	FLS 52 01 01	3000	5251	2	B7E1	1		
	1.5 SQ.MM	BLK	FLS 52 01 02	1500	B1X1	2	B7E1	2	FLS-4	
37	1.5 SQ.MM	CH	NL 52 03 03	3000	52S3	2	B9E1	1		
	1.5 SQ.MM	W	NL 52 03 04	1500	B1X1	6	B9E1	2	311.42	
	1.5 SQ.MM	GNYE	FLS 52 01 03	1500	B1X1	11	B7E1	PE	NL-12	
	11.114.114.00		The (14) (15) 112 211			Application.	323 N. J.	er este	off St. Vanc. St. Chapter	
	1.5 SQ.MM	В	FLE 52 01 04	4000	B11X1	2	B8E1	1		
37A	1.5 SQ.MM	BLK	FLE 52 01 05	4000	B11X1	4	B8E1	2	FLE-12	
	1.5 SQ.MM	GNYE	FLE 52 01 03	4000	B11X1	11	B8E1	PE		-
		7-4 17 27				- 1. J. 15 13 f	egregitation of	- 1,1,1	The state of the s	
			JUMPER W	TRING FOR M	OBILE /LAP T	OP CHARG	ING SOCKET (SBC TO CA	ABIN-1,2,6)	
	1.5 SQ.MM	R	CS 52 01 01		+S1X1		B1X1	12	CS (P)	
38	1.5 SQ.MM	BLK	CS 52 01 04	5000	+S1X1	6	B1X1	15	N N	
••	1.5 SQ.MM		CS 52 01 05	5000	+S1X1	111	B1X1	16	E	
	1,5 302.141141	1		L	L	Organisty.				
20.0			OS 53 04 03		N-2		DOV4	40	loc m	<u>, , , , , , , , , , , , , , , , , , , </u>
38 A	1.5 SQ.MM	Y	CS 52 01 02	8000	+S1X1	4	B2X1	13	CS (P)	
		<u> </u>	00.50.04.00	·····	N-6	- 1	- Pores	1,423,1111 <u>.</u>	laani	-
38 B	1.5 SQ.MM		CS 52 01 03	18000	+S1X1	5	B6X1	14	CS (P)	
		<u> </u>		1405 (154)	<u> </u>	<u> </u>				<u> </u>
					· · · · · · · · · · · · · · · · · · ·	ABIN-1 TO	CABIN-2)			
39	1.5 SQ.MM		CS 52 01 04	3000	B1X1	14	B2X1	14	N	
	1.5 SQ.MM		CS 52 01 05	3000	B1X1	15	B2X1	15	Ė	
1212		runia		nakaniya.	in you	datray.		Nei Riete		
						ABIN-1 TO				
39A	1.5 SQ.MM	R	CS 52 01 01	5000	B1X1	12	B3X1	12	CS (P)	
us Gr	PER PER			incest.			i de la compania de La compania de la co	şarazan.		
					JUMPER (C	ABIN-2 TO	CABIN-3)			
	1.5 SQ.MM	BLK	CS 52 01 04	2000	82X1	15	B3X1	15	N	
39B	1.5 SQ.MM		CS 52 01 05	2000	B2X1	16	B3X1	16	E	
						7			I	

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Har No	CABLE SIZE	COLOR	FERRULE NO.	LENGTH	FRO		TO		REMARKS
	J	1	<u> </u>		LOCATION		LOCATION	TER.NO.	
			· ₁		·,	CABIN-2 TO	CABIN-4)		
39C	1.5 SQ.MM	Y	CS 52 01 02	5000	B2X1	13	B4X1	13	CS (P)
\$49557 <u>52857</u>		11:11:341	Fair with the	le a like ake i fil e e saya se e				Made	
					JUMPER (0	CABIN-3 TO	CABIN-4)		
39D	1.5 SQ.MM	BLK	CS 52 01 04	3000	B3X1	15	B4X1	15	N
440	1.5 SQ.MM	GNYE	CS 52 01 05	3000	B3X1	16	B4X1	16	_ E
	计设备计算程序			ingusia.	\$24224TE	100 100 100 100 100 100 100 100 100 100	ankseni		
					JUMPER (C	CABIN-4 TO	CABIN-5)		
	1.5 SQ.MM	Y	CS 52 01 02	2000	B4X1	13	B5X1	13	CS (P)
39E	1.5 SQ.MM	BLK	CS 52 01 04	2000	B4X1	15	B5X1	15	N ·
	1.5 SQ.MM	GNYE	CS 52 01 05	2000	B4X1	16	B5X1	16	ĪE
	J72.394 (4)	A Carlo		3028 344				ernada.	
			denting the state of the state	<u> </u>	JUMPER (C	ABIN-5 TO	CABIN-6)		<u> </u>
	1.5 SQ.MM	BLK	CS 52 01 04	3000	B5X1	15	B6X1	15	N
39F	1.5 SQ.MM	GNYE	CS 52 01 05	3000	B5X1	16	B6X1	16	E
1. 1.	44 (S11974)		. ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;		201 1 1 1			esti in	
					JUMPER (C	ABIN-5 TO	CARIN-7)		<u> </u>
39G	1.5 SQ.MM	Y	CS 52 01 02	5000	B5X1	13	B7X1	13	CS (P)
		Guddinek (d.) Jacquet (d.)		33000 33000 PA (46)	34.35-41		0.4111.25	13 8867 (888	
	Luded erice to their	I Charles	Million Responds to the Control of the	C #324 C 1 - 413 8 5 8 5 8 1	1000	ABIN-6 TO	- 1242 27 - 1841	3,074, 84°	<u> Proposition (Constitution of the Constitution of the Constitutio</u>
	1.5 SQ.MM	BLK	CS 52 01 04	2000	B6X1	15	B7X1	15	N
39H	1.5 \$Q.MM		CS 52 01 05	2000	B6X1				
	1.5 30.101101	GNIE	C3 32 01 03	2000	8071	16	B7X1	16	
				<u>. ~ 1</u>	UNADED (O	1001070			
391	4 5 50 144	-	00.50.01.00	T	JUMPER (C				
331	1.5 SQ.MM	B	CS 52 01 03	4000	B6X1	14	B8X1		CS (P)
			AND AND ARREST		· · · · · · · · · · · · · · · · · · ·	94448444			
					JUMPER (C.				
39J	1.5 SQ.MM	BLK	CS 52 01 04	2000	B7X1	15	B8X1	15	N
	1.5 SQ.MM		CS 52 01 05	2000	B7X1	16	B8X1		E
						<u>(2) </u>		_150g_5156	
					BRAI	NCH WIRING	<u> </u>		
	1.5 SQ.MM	R	CS 52 01 01	1000	B1X1	12	CS-1	P	
40	1.5 SQ.MM	BLK	CS 52 01 04	1000	B1X1	15	CS-1	N	CS-1
	1.5 SQ.MM	GNYE	CS 52 01 05	1000	B1X1	16	CS-1	E	
	1,200,000				in it.				
	1.5 SQ.MM	R	CS 52 01 01	1000	B1X1	12	CS-2	Р	
40 A	1.5 SQ.MM	BLK	CS 52 01 04	1000	B1X1	15	CS-2	N	CS-2
	1.5 SQ.MM	GNYE	CS 52 01 05	1000	B1X1	16	CS-2	E	
da F		3114.5			1 11 11 11		* . *		
	1.5 SQ.MM	R	CS 52 01 01	1300	B1X1	12	CS-3	Р	
40 B	1.5 SQ.MM	BLK	CS 52 01 04	1300	B1X1	15	CS-3	N.	CS-3
ŀ	1.5 SQ.MM	GNYE	CS 52 01 05	1300	B1X1	16	CS-3	E	
		araja d	A STATE						
·	1.5 SQ.MM	R	CS 52 01 01	1300	B1X1	12	CS-4	Р	
F	1.5 SQ.MM		S 52 01 04	1300	B1X1	15	CS-4		66.4
<u>-</u>	1.5 SQ.MM		S 52 01 05	1300	B1X1	16	CS-4	N E	CS-4
			-	1500	5121				
			<u> </u>	/ WACO TE	DMINAL TO C		00//570) 04		
٦.	I.5 SQ.MM	Y	\$ 52.01.02				OCKETS) CA		
⊢	1.5 SQ.IVIVI		S 52 01 02	1000	B2X1	13	CS-5	P	
- ⊢			S 52 01 04	1000	82X1	15	CS-5	N	CS-5
	.5 SQ.MM	GINTE (S 52 01 05	1000	B2X1	16	CS-5	E	
1						1 1 2 2 2		- 1 in 1 in 1	
-	.5 SQ.MM		S 52 01 02	1300	B2X1	13	CS-6	Р	
_	.5 SQ.MM		S 52 01 04	1300	B2X1	15 .	CS-6	N	CS-6
	.5 SQ.MM		S 52 01 05	1300	B2X1	16.	CS-6	E	
		<u> </u>							
				(WAGO TE	RMINAL TO C	HARGING S	OCKETS) CAI	BIN-3	
1	.5 SQ.MM	R C	S 52 01 01	1000	B3X1	12	CS-7	Р	
42 1	.5 SQ.MM	BLK C	S 52 01 04	1000	B3X1	15	CS-7	N	CS-7
1	.5 SQ.MM	GNYE C	S 52 01 05	1000	B3X1	16	CS-7	E	
					Presidential		Transier	7.	
1	.5 SQ.MM	R C	S 52 01 01	1000	B3X1	12	CS-8	Р	
-	.5 SQ.MM		S 52 01 04	1000	B3X1	15	CS-8	N	CS-8
			S 52 01 05	1000	B3X1	16	CS-8	E	55-0
3.4									



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		Т	Υ	T	FRO	786	тс	,	DEMARK	
Har No	CABLE SIZE	COLOR	FERRULE NO.	LENGTH					REMARK	
	1.500 101	 _ _	CS 52 04 04	1300	LOCATION B3X1	TER. NO.	LOCATION CS-9	TER.NO.		
42 B	1.5 SQ.MM	R	CS 52 01 01		B3X1	15	CS-9	N	CS-9	
42 D	1.5 SQ.MM	BLK	CS 52 01 04	1300	B3X1	16	CS-9	E	03-3	
	1.5 SQ.MM	GNYE	CS 52 01 05	1300	B3/1	10		<u> </u>		
	1.5 SQ.MM	R	CS 52 01 01	1300	B3X1	12	CS-10	P		
42 C	1.5 SQ.MM	BLK	CS 52 01 04	1300	B3X1	15	CS-10		CS-10	
-2.0	1.5 SQ.MM		CS 52 01 05	1300	B3X1	16	CS-10	E	55.15	
	1.5 502.10101	J 01112	100 32 01 03	1000	3371		30-10			
		16, 14			TERMINAL TO	CHARGING	SOCKETS)	ABIN-4		
	1,5 \$Q.MM	Y	CS 52 01 02	1000	B4X1	13	CS-11	Р		
43	1.5 SQ.MM	BLK	CS 52 01 04	1000	B4X1	15	CS-11	N N	CS-11	
	1.5 SQ.MM	GNYE	CS 52 01 05	1000	B4X1	16	CS-11	E		
	1 11 11 11 11 11 11		internation.			10 10 10 10				
·····	1.5 SQ.MM	Y	CS 52 01 02	1300	B4X1	13	CS-12	Р		
43 A	1.5 SQ.MM	BLK	CS 52 01 04	1300	B4X1	15	CS-12	N	CS-12	
	1.5 SQ.MM	GNYE	CS 52 01 05	1300	B4X1	16	CS-12	E		
5 - 5 -					1000 40					1 - 1111
				(WAGO	TERMINAL TO	CHARGING	SOCKETS)	ABIN-5		
	1.5 SQ.MM	Y	CS 52 01 02	1000	B4X1	13	CS-13	Р		
44	1.5 SQ.MM	BLK	CS 52 01 04	1000	B4X1	15	CS-13	N	CS-13	
	1.5 SQ.MM	GNYE	CS 52 01 05	1000	B4X1	16	CS-13	E	10	
	tractions		CHEST STREET	- 11 / 12		H152, 533	383 Feb. 1			
	1.5 SQ.MM	Y	CS 52 01 02	1300	B4X1	13	CS-14	Р		
44 A	1.5 SQ.MM	BLK	CS 52 01 04	1300	B4X1	15	CS-14	N	CS-14	
	1.5 SQ.MM	GNYE	CS 52 01 05	1300	B4X1	16	CS-14	E		
			Mark Hill	341 2613				State State		2.50
	***************************************			(WAGO	TERMINAL TO	CHARGING	SOCKETS) C	ABIN-6		
	1.5 SQ.MM	В	CS 52 01 03	1000	B5X1	14	CS-15	Р		
45	1.5 SQ.MM	BLK	CS 52 01 04	1000	B5X1	15	CS-15	N	C\$-15	
	1,5 SQ.MM		CS 52 01 05	1000	B5X1	16	CS-15	E		
	TOTAL	J. A. 11 le	TERRORE,	and said						
	1.5 SQ.MM	В	CS 52 01 03	1000	B5X1	14	CS-16	P		
45 A	1.5 SQ.MM	BLK	CS 52 01 04	1000	B5X1	15	CS-16	N	CS-16	
	1.5 SQ.MM	GNYE	CS 52 01 05	1000	B5X1	16	CS-16	Ε		
		100000	Karrier III. Te	1 1 1 1 1 1 1 1 1	5.75	13,1	35			
	1.5 SQ.MM	В	CS 52 01 03	1300	B5X1	14	CS-17	Р	<u> </u>	
45 B	1.5 SQ.MM	BLK	CS 52 01 04	1300	B5X1	15	CS-17	N	CS-17	
	1.5 SQ.MM	GNYE	CS 52 01 05	1300	B5X1	16	CS-17	E		
1. 1. 11	No. 5. settera	P 75.73	Aleman in the state	1117/1-V	Established					
	1.5 SQ.MM	В	CS 52 01 03	1300	B5X1	14	CS-18	Р		
45 C	1.5 SQ.MM	BLK	CS 52 01 04	1300	B5X1	15	CS-18	N	CS-18	
	1.5 SQ.MM	GNYE	CS 52 01 05	1300	B5X1	16	CS-18	E		
		-1,	Artiste (refield)	41.59		Factory.	17		te territeur a diej i	
				(WAGO T	ERMINAL TO	CHARGING	SOCKETS) CA	ABIN-7		
	1.5 SQ.MM	Y	CS 52 01 02	1000	B4X1	13	CS-19	Р		
46	1.5 SQ.MM	BLK	CS 52 01 04	1000	B4X1	15	CS-19	N	CS-19	
	1.5 SQ.MM	GNYE	CS 52 01 05	1000	B4X1	16	CS-19	Ε		-
	<u> </u>			1.75	JAN 115 I	H 12 7 A	(Special Lab	Tradigit.		
	1.5 SQ.MM	Y	CS 52 01 02	1300	B4X1	13	CS-20	P		
46 A	1.5 SQ.MM	BLK	CS 52 01 04	1300	B4X1	15	C\$-20	N	CS-20	
	1.5 SQ.MM	GNYE	CS 52 01 05	1300	B4X1	16	CS-20	Ë		
		r, a libe	Leight (PA)	Makes Albert						
				(WAGO T	ERMINAL TO	CHARGING	SOCKETS) CA	BIN-8		
	1.5 SQ.MM	В	CS 52 01 03	1000	B5X1	14	CS-21	Р		······································
47	1.5 SQ.MM	BLK	CS 52 01 04	1000 .	B5X1	15	CS-21	N	CS-21	
	1.5 SQ.MM		CS 52 01 05	1000	B5X1	16	CS-21	E		
				20 W. W.				. <u> </u>		
	1.5 SQ.MM	В	CS 52 01 03	1000	B5X1	14	CS-22	Р		
	1.5 SQ.MM		CS 52 01 04	1000	B5X1	15	CS-22	N	CS-22	
}	1.5 SQ.MM		CS 52 01 05	1000	B5X1	16	CS-22	E		
			Antikal Mark		dana j		San Light name			
	1.5 SQ.MM		CS 52 01 03	1300	B5X1	14	CS-23	Р		
F	1.5 SQ.MM		CS 52 01 04	1300	B5X1	15	CS-23	N	CS-23	
									55 25	
H	1.5 SQ.MM	GNYE (JS 52 01 D5	1300	B5X1	16	CS-23	E	,	

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Har No	CABLE SIZE	COLOR	FERRULE NO.	LENGTH		OM	το	-	REMARKS	
					LOCATION	TER. NO.	LOCATION	TER.NO.		
	1.5 SQ.MM	В	CS 52 01 03	1300	B5X1	14	CS-24	Р	_[
47 C	1.5 SQ.MM	BLK	CS 52 01 04	1300	85X1	15	CS-24	N	CS-24	
	1.5 SQ.MM	GNYE	CS 52 01 05	1300	B5X1	16	CS-24	E		
	5 24 17 34					sidiliki.		114201-4017		
					AC P	ACKAGE UN	IT-1			
		Br	61 01 12.01		+S1X1	132	+U1X4	1		
	1.	W	61 01 13.01		+S1X1	133	+U1X4	2	FRESH AIR TEMP.SENSOR-1	
	1.	Br	61 01 14.01		+S1X1	134	+U1X4	3		
48	6(2X1.5)	W	61 01 17.01	1	+51X1	135	+U1X4	4	FRESH AIR TEMP_SENSOR-1	
	SQ.MM	Br	61 03 01.01	25500	+S1X1	213	+U1X4	5		
	DS-4	w	61 03 02.01	+				7	LP INDICATION	
	1			1	+S1X1	214	+U1X4			
		Br	61 03 05.01	-	+S1X1	217	+U1X4	9	HP INDICATION	
105-E		<u>w</u>	61 03 06.01		+S1X1	218	+U1X4	11	1	
·	1	7 - 122 - 5		Ferrule	s to be prov	ided by han	ness manufac	turer		
	· ·		61 02 01.05		+\$1X1	212	+U1X3	1	+24 V FOR HP/LP SENSOR	
			61 06 03.02		+S1X1	178	+U1X3	17	I D MEACUDEMENT	
		1	61 01 02.19		+51X1	179	+U1X3	6	LP MEASUREMENT	
			61 02 02.02	1	+S1X1	1.50	+U1X3	4		
			61 02 03.01	1	+S1X1	151	+U1X3	3	FLAPPER MOTOR	
			61 02 04.02	1	+S1X1	152	+U1X3	2	-VE 24V	
	1:	-	61 04 03.03	1	+S1X1	 				
	1			}		163	+U1X3	15	EVAPORATOR MOTOR THERMAL SWITCH	
			61 04 04.01	1	+S1X1	164	+01X3	16		
		1	61 04 07.01	-	+S1X1	156	+U1X3	7	4	
18 A	25X1.5	outer sheath	61 04 09.01		+S1X1	1.57	+U1X3	8	TEMP. & PR. SWITCH	
	SQ.MM	white	61 04 10.01	25500	+51X1	158	+U1X3	9		
	nur		61 04 12.01		+S1X1	159	+U1X3	10	EMP. & PR. SWITCH	
		d cores	61 04 14.01		+S1X1	160	+U1X3	11		
		6	61 04 15.01		+S1X1	161	+U1X3	14		
	ĺ		61 01 01.12		+S1X1	162	+U1X3	5	+VE24 V FOR THERMAL SW	
			61 06 04.01		+S1X1	181	+U1X3	18	TVL24 VI OK ITIER/JAE SW	
			61 06 05.02						UD CIT OLT	
		1 1	· · · · · · · · · · · · · · · · · · ·		+S1X1	180	+U1X3	20	HP CUT OUT	
		1 1	61 05 06.02		+S1X1	182	+U1X3	12		
			61 06 07.01		+S1X1	184	+U1X3	19		
- 1		1 1	61 06 08.02] [+S1X1	183	+U1X3	21	LP CUT OUT	
10-D			61 06 09.02		+S1X1	185	+U1X3	13		
		47131114		Yugurun bi			You bear in the	. pt. 40 mm.		
1		<u> </u>	33 03 02.02 ·		+S1X1	231	+U1X1	1		
			33 03 04.02		+S1X1	232	+U1X1	2		
		Ī	33 03 06.02	Ī	+S1X1	233	+U1X1	3	EVAPORATOR MOTOR	
		Ī	33 03 07	-	+S1X1	234	+U1X1	PE		
		<u> </u>	33 04 08.02	-	+S1X1				Minimum	
		-		-		250	+U1X1	10		
- 1		17	33 04 16.02	-	+S1X1	252	+U1X1		CRANK CASE HEATER	
			33 04 09.01	Ļ	+S1X1	251	+U1X1	12		
3B	18X1.5	outer	33 04 18.02	<u> </u>	+S1X1	253	+U1X1	4		
	SO.MM	white L	33 04 20.02	27000	+S1X1	254	+U1X1	5	COND FAN MOTOR-1	
		numbere 3	33 04 22.02	Γ	+S1X1	255	+U1X1	6		
		d cores	33 04 24.02	-	+S1X1	256	+U1X1	7		
		F	3 04 26.02	ŀ	+\$1X1	257	+U1X1		COND FAN MOTOR-2	
		-	3 04 28.02	-	+\$1X1	258	+U1X1	9		
		-	2ES-1	· -		230		7		
			ا د-ست	-	+\$1X1		+U1X1			
		_	EC.2		+S1X1		+U1X1	!	SPARE	
		E	RES-2				+U1X1			
		F	RES-3		+S1X1					
0-н		F F	RES-3 RES-4		+S1X1 +S1X1		+U1X1			
р-н		F F	RES-3 RES-4			-140.234		5 11-4-201/		
0-н		F F	RES-3 RES-4	27000		239	+U1X1 +U1X2	14		
0-н		F F R 3	XES-3 XES-4		+S1X1		: Bullinani, -	14		
0-н		F F R 3	RES-3 RES-4 3 04 02.02	27000	+S1X1 +S1X1 +S1X1	239 240	+U1X2 +U1X2	14	COMP. MOTOR-1	
0-н		F F S S S S S S S S S S S S S S S S S S	3 04 02.02 3 04 04.02 3 04 06.02	27000 27000 27000	+S1X1 +S1X1 +S1X1 +S1X1	239 240 241	+U1X2 +U1X2 +U1X2	14 13 16		
50- н		R 3 Y 3 B 3 GNYE 3	3 04 02.02 3 04 04.02 3 04 06.02 3 04 07	27000 27000 27000 27000	+S1X1 +S1X1 +S1X1 +S1X1 +S1X1	239 240 241 242	+U1X2 +U1X2 +U1X2 +U1X2	14 13 16 PE		
	4 SQ.MM	R 3 R 3 GNYE 3 R 3	RES-3 3 04 02.02 3 04 04.02 3 04 06.02 3 04 07 3 04 11.02	27000 27000 27000 27000 27000	+51X1 +51X1 +51X1 +51X1 +51X1 +51X1	239 240 241 242 243	+U1X2 +U1X2 +U1X2 +U1X2 +U1X2 +U1X2	14 13 16 PE 5	COMP. MOTOR-1	
		R 3 Y 3 B 3 GNYE 3 R 3 Y 3	RES-3 3 04 02.02 3 04 04.02 3 04 06.02 3 04 07 3 04 11.02 3 04 13.02	27000 27000 27000 27000 27000 27000 27000	+S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1	239 240 241 242 243 244	+U1X2 +U1X2 +U1X2 +U1X2 +U1X2 +U1X2 +U1X2	14 13 16 PE 5 18		
		R 3 Y 3 B 3 GNYE 3 R 3 Y 3 B 3	RES-3 3 04 02.02 3 04 04.02 3 04 06.02 3 04 07 3 04 11.02 3 04 13.02 3 04 15.02	27000 27000 27000 27000 27000	+51X1 +51X1 +51X1 +51X1 +51X1 +51X1	239 240 241 242 243	+U1X2 +U1X2 +U1X2 +U1X2 +U1X2 +U1X2	14 13 16 PE 5	COMP. MOTOR-1	
		R 3 Y 3 B 3 GNYE 3 R 3 Y 3 B 3	RES-3 3 04 02.02 3 04 04.02 3 04 06.02 3 04 07 3 04 11.02 3 04 13.02	27000 27000 27000 27000 27000 27000 27000	+S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1 +S1X1	239 240 241 242 243 244	+U1X2 +U1X2 +U1X2 +U1X2 +U1X2 +U1X2 +U1X2	14 13 16 PE 5 18	COMP. MOTOR-1	
		R 3 3 Y 3 GNYE 3 R 3 R 3	RES-3 3 04 02.02 3 04 04.02 3 04 06.02 3 04 07 3 04 11.02 3 04 13.02 3 04 15.02	27000 27000 27000 27000 27000 27000 27000 27000	+51X1 +51X1 +51X1 +51X1 +51X1 +51X1 +51X1 +51X1 +51X1	239 240 241 242 243 244 245	+U1X2 +U1X2 +U1X2 +U1X2 +U1X2 +U1X2 +U1X2 +U1X2	14 13 16 PE 5 18 7 20	COMP. MOTOR-1	

				LENGTH	FROM		то		REMARKS
Har No	CABLE SIZE	COLOR	FERRULE NO.		LOCATION	TER. NO.	LOCATION	TER.NO.	
48 D	1.5 SQ.MM	СН	61 01 03.02	11500	+S1X1	141	S12S1	13	HYGROSTAT
2050-K	1.5 SQ.MM	w	61 01 04.01	11500	+51X1	142	S12S1	14	MIGROSIAI
141.	100 1000	lagara.		Adding 1		Ng satu.	757 75	40 May 12	i ja italija Bajan krasilai sillaitasa
48 E	(2X1.5)	Br	61 01 05.01	26000	+S1X1	128	S12B1	1	TEMP.SENSOR INSIDE COMPT.
3380-I	SQ.MM (DS-4)	W	61 01 06.01	20000	+S1X1	129	S12B1	2	TELL SENSOR MISE COLUMN



SEE/D

DY.CEE/D D

Har No	CABLE SIZE	COLOR	FERRULE NO.	LENGTH	FR	OM	TC	·	REMARKS
	J					TER. NO.	LOCATION	TER.NO.	
					AC P	ACKAGE UN	IT-2		
		Br	61 01 18.01		+51X1	136	+U2X4	1	FRESH AIR TEMP.SENSOR-1
		W	61 01 19.01		+S1X1	137	+U2X4	2	PRESH AIR TEMP.SENSOR-I
40		Br	61 01 21.01	1	+S1X1	138	+U2X4	3	
49	6(2X1.5)	W	61 01 23.01	1	+S1X1	139	+U2X4	4	FRESH AIR TEMP.SENSOR-2
	SQ.MM DS-4	Br	61 03 03.01	11000	+S1X1	215	+U2X4	5	
		W	61 03 04.01	1	+S1X1	216	+U2X4	7	LP INDICATION
	ļ	Br	61 03 07.01	1 .	+S1X1	219	+U2X4	9	
.065-K		W	61 03 08.01	1	+\$1X1	220	+U2X4	11	HP INDICATION
4 13 7				Ferrule			ness manufac		\$ 1 mm 50 m
	1	T	61 05 01.01]	+S1X1	170	+U2X3	7	+24V FOR THERMAL SW.
	ļ		61 01 02.28	i	+S1X1	190	+U2X3	6	TEMP. & PR. SWITCH
			62 02 01.04	1	+S1X1	212	+U2X3	1	+24 V FOR HP/LP SENSOR
	ļ		61 02 02.03	1	+S1X1	150	+U2X3	4	· · · · · · · · · · · · · · · · · · ·
		1	61 02 03.03	-					FLAPPER MOTOR
				-	+S1X1	151	+U2X3	3	
			61 02 04.03	1	+S1X1	152	+U2X3	2	-VE 24V
			61 04 11.03		+S1X1	166	+U2X3	1.5	EVAPORATOR MOTOR THERMAL SWITCH
			61 04 13.03	1	+\$1X1	167	+U2X3	16	
			61 01 01.14		+\$1X1	169	+U2X3	5 .	-
	-,		61 05 02.01		+\$1X1	171	+U2X3		_
		Black	61 05 03.01		+S1X1	172	+U2X3	9	TEMP. & PR. SWITCH
19 A	25X1.5	outer sheath	61 05 04.01		+\$1X1	173	+U2X3	10	
	SQ.MM	white	61 05 05.01	11000	+S1X1	174	+U2X3	11	
		numbere	61 05 06.01		+S1X1	175	+U2X3	14	
		d cores	RES-13		+S1X1		+U2X3		
		1	RES-14		+S1X1		+U2X3		
		1	RES-15		+51X1		+U2X3		SPARE
			RES-16		+\$1X1		+U2X3		· ·
		6	61 07 03.02		+S1X1	189	+U2X3	17	BYE PASS
			61 07 04.01		+S1X1	192	+U2X3	18	7.2.7.00
					+S1X1	191	+0203	20	HP CUT OUT
			61 07 05.02 61 07 08.02	+S1X1				71F CO1 CO1	
						193	+U2X3	12	
70-K		1	61 07 07.01		+S1X1	196	+U2X3	19	
		i t	61 07 08.02	-	+S1X1	194	. +U2X3	21	LP CUT OUT
40-K			61 07 09.02		+SIX1	195	+U2X3	13	
			<u> </u>		11 1 1 1 1 1 1 1 1	4			
ĺ		i	33 03 13.02		+S1X1	237	+U2X1	3	
			33 03 09.02	Ĺ	+S1X1	235	+U2X1	1	EVAPORATOR MOTOR
[33 03 11.02		+\$1X1	236	+U2X1	2	
			33 03 14		+S1X1	238	+U2X1	PE	
İ			33 05 35.02		+S1X1	273	+U2X1	4	
ļ		[33 05 17.02	ſ	+\$1X1	274	+U2X1	5	COND FAN MOTOR-1
Ì		Black	33 05 19.02		+S1X1	275	+U2X1	6	
	1041		33 05 21.02	1	+S1X1	276	+U2X1	7	-
- 1		sheath white	33 05 23.02	8000	+51X1	277	+U2X1	8	CRANK CASE HEATER
18X1.5 SQ.MM	~~····	numbere	33 05 25.02	t	+S1X1	278	+U2X1	9	-
		d cores	33 05 27.02	-	+51X1	270	+U2X1	10	
			33 05 34.02	-	+S1X1	272	+U2X1		COND FAN MOTOR-2
		-	33 05 09.01	-	+S1X1	271	+U2X1	12	
				-		-/-			
				ļ	+S1X1		+U2X1	3	
		-		-	+S1X1		+U2X1	3	SPARE
		Ē	RES-6	-	. 60.			3	
		1	RES-6 RES-7	-	+S1X1		+U2X1		
		1	RES-6 RES-7 RES-8		+S1X1		+U2X1	3	
		[[RES-6 RES-7 RES-8		+S1X1		+U2X1	3	
		R 3	RES-6 RES-7 RES-8	8000	+S1X1	239	+U2X1	3	
		R 3	RES-6 RES-7 RES-8	8000	+S1X1		+U2X1	3 14 3	
		R S	RES-6 RES-7 RES-8		+S1X1 +S1X1	239	+U2X1 +U2X2	3 14 3	COMP. MOTOR-1
20-L		R 3 Y 3 B 3	RES-6 RES-7 RES-8 33 05 02.02 33 05 04.02	8000	+S1X1 +S1X1 +S1X1	239 240	+U2X1 +U2X2 +U2X2	3 14 3	
20-L		R 3 Y 3 B 3 GNYE 3	RES-6 RES-7 RES-8 33 05 02.02 33 05 04.02 33 05 05.06.02	8000 8000	+S1X1 +S1X1 +S1X1 +S1X1	239 240 241	+U2X1 +U2X2 +U2X2 +U2X2	3 14 3 16	
20-L	·	R 3 Y 3 B 3 GNYE 3 R 3	RES-6 RES-7 RES-8 RES-8 RES-8 RES-8 RES-8 RES-8 RES-8 RES-8 RES-8 RES-9	8000 8000 8000	+S1X1 +S1X1 +S1X1 +S1X1 +S1X1	239 240 241 242	+U2X1 +U2X2 +U2X2 +U2X2 +U2X2	3 14 3 16 PE 5	







	T			LENGT	FRO	OM	TO)	REMARKS
Har No	CABLE SIZE	COLOR	FERRULE NO.	LENGTH	LOCATION	TER. NO.	LOCATION	TER.NO.	
	<u> </u>	R	33 05 28.02	8000	+S1X1	247	+U2X2	20	
		Y	33 05 31.02	8000	+S1X1	248	+U2X2	9	HEATER BANK
3225-L		В	33 05 33.02	8000	+S1X1	249	+U2X2	22	
		introdiction (C		19.30.56	575-55-5a		<u> </u>		
49 D	(2X1.5)	Br	61 01 08.01	0000	+51X1	130	S13B1	1	TEMP.SENSOR INSIDE COMPT.
120-K	SQ.MM (DS-4)	w	61 01 09.01	8000	+S1X1	131	S13B1	2	TENFISENSOR INSIDE CONFT.
	in #110.25	41,000				30 Y 35	ughan		
					POWER	PANEL TO -	-S19X1		
	1.5 SQ.MM	СН	32 04 05.23	7000	+S1X1	95	+S19X1	1	
]				2	ALARM PULL(LS-1)
	1.5 SQ.MM	W	43 01 02.05	7000	+S1X1	99	+S19X1	3	ALAROT POLICES 1)
								4	
	1.5 SQ.MM	CH	32 05 07.04	7000	+S1X1	25	+\$19X1	5	
								6	
	1.5 SQ.MM	w	32 05 08.04	7000	+S1X1	26	+S19X1	7	DOOR SWITCH
								8	
								9	
								10	FLUSHING PUSH
								11	
	1.5 SQ.MM	R	72 01 04-01	7000	+51X1	210	+S19X1	12	
	1.5 SQ.MM	BLK	72 01 05.01	7000	+SIX1	211	+S19X1	13	WSP
	1.5 SQ.MM	CH	72 01 06.03	7000	+S1X1	207	+S19X1	14]
50	1.5 SQ.MM	w	72 01 07.03	7000	+S1X1	208	+S19X1	15	
	1.5 SQ.MM	R.	33 06 07.02	7000	+S1X1	227	+S19X1	16	RAZOR SOCKET
	1.5 SQ.MM	BLK	33 06 08.02	7000	+S1X1	228	+S19X1	17	RAZUR SUCRET
	1.5 SQ.MM	CH	52 01 01-03	7000	+S1X1	106	+S19X1	18	
								19	LL-1
	1.5 SQ.MM	· W	52 01 03.03	7000	+S1X1	103	+S19X1	20	LL-1
								21	
	1.5 SQ.MM	R	52 04 01.03	7000	+51X1	109	+S19X1	22	
								23	
	1.5 SQ.MM	BLK	52 04 02.23	7000	+\$1X1	108	+S19X1	24	110 V AC (FLE-1)
				1				25	
	1.5 SQ.MM	러	32 03 01.20	7000	+S1X1		+S19X1	26	
	1.5 SQ.MM	w	32 03 02.20	7000	+S1X1		+S19X1	27	110V DC MOTOR
								28	
	1.5 SQ.MM	СН	Res-1	7000	+S1X1		+519X1	29	EMPTY
020-L	1.5 SQ.MM	• сн	Res-2	7000	+S1X1		+S19X1	30	•
	1.5 SQ.MM	GNYE	52 01 06.01	7000	+S1X1		+S19X1	31	
	1.5 SQ.MM		43 01 PE.03	7000	+S1X1		+S19X1	32	PE EARTHING
. :::					- 10 pt	7. A-1		11.5	
					+S19X1 TO	WC-1,FLE-	L & FLE-2		
1.11	- 1000	1					1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	5	Fig. 1 Control of the control of the
51D	1.5 SQ.MM	СН	32 05 08.31	8500	+S19X1	8		1	
	1.5 SQ.MM		72 05 01.03	8500	+S19X1	9	S16H1	2	WC LIGHT-1
			EW. Barrana	THE AND 1841			V 2 1 1 1 1 1 2 1 2 1 1	Visit 11	
	1.5 SQ.MM	R	52 01 01.13	4000	+S19X1	22		1	
51.5				4000 4000			B3E1		FLE-1
515	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	BLK	52 01 01.13 52 01 03.12 52 01 06.21	4000	+S19X1 +S19X1 +S19X1	22 24 32	B3E1		FLE-1
51.5	1.5 SQ.MM	BLK	52 01 03.12	4000 4000	+S19X1	24	B3E1	2	FLE-1
2030	1.5 SQ.MM 1.5 SQ.MM	BLK GNYE	52 01 03.12 52 01 06.21	4000 4000	+S19X1 +S19X1	24 32	B3E1	2 PE	FLE-1
2030	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	BLK GNYE CH	52 01 03.12 52 01 06.21 52 04 01.09	4000 4000 4000	+S19X1 +S19X1 +S19X1	24 32 19		PE	
2030	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	BLK GNYE CH W	52 01 03.12 52 01 06.21 52 04 01.09 52 04 02.08	4000 4000 4000 4000 4000	+S19X1 +S19X1 +S19X1 +S19X1	24 32 19 21	83E1 84E1	2 PE 1 2	FLE-1 FLE-2
030	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	BLK GNYE CH W	52 01 03.12 52 01 06.21 52 04 01.09 52 04 02.08 52 04 03.09	4000 4000 4000	+S19X1 +S19X1 +S19X1	24 32 19 21 32	B4E1	2 PE 1 2 PE	FLE-2
030	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	BLK GNYE CH W	52 01 03.12 52 01 06.21 52 04 01.09 52 04 02.08	4000 4000 4000 4000 4000	+\$19X1 +\$19X1 +\$19X1 +\$19X1 +\$19X1	24 32 19 21 32	B4E1	2 PE 1 2 PE	
030 51G	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	BLK GNYE CH W GNYE	52 01 03.12 52 01 06.21 52 04 01.09 52 04 02.08 52 04 03.09	4000 4000 4000 4000 4000	+S19X1 +S19X1 +S19X1 +S19X1 +S19X1 +S19X1	24 32 19 21 32 X1 TO +S16	B4E1	2 PE 1 2 PE	FLE-2
030 51G	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	BLK GNYE CH W GNYE	52 01 03.12 52 01 06.21 52 04 01.09 52 04 02.08 52 04 03.09	4000 4000 4000 4000 4000	+\$19X1 +\$19X1 +\$19X1 +\$19X1 +\$19X1	24 32 19 21 32 X1 TO +S16 1	B4E1	2 PE 1 2 PE	FLE-2
030 51G	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	BLK GNYE CH W GNYE CH:	52 01 03.12 52 01 06.21 52 04 01.09 52 04 02.08 52 04 03.09 32 04 05.27	4000 4000 4000 4000 4000	+S19X1 +S19X1 +S19X1 +S19X1 +S19X1 +S19X1 +S19X1	24 32 19 21 32 XL TO +SL6 1 2	B4E1	2 PE 1 2 PE	FLE-2
2030 51G	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	BLK GNYE CH W GNYE CH:	52 01 03.12 52 01 06.21 52 04 01.09 52 04 02.08 52 04 03.09	4000 4000 4000 4000 4000	+S19X1 +S19X1 +S19X1 +S19X1 +S19X1 +S19X1	24 32 19 21 32 X1 TO +S16 1 2 3	B4E1	2 PE 1 2 PE 1 2 3	FLE-2
:030 51G	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	GNYE CH W GNYE CH W CH W	52 01 03.12 52 01 06.21 52 04 01.09 52 04 02.08 52 04 03.09 32 04 05.27 43 01 02.10	4000 4000 4000 4000 4000 10000	+S19X1 +S19X1 +S19X1 +S19X1 +S19X1 +S19X1 +S19X1 +S19X1	24 32 19 21 32 X1 TO +S16 1 2 3 4	B4E1	2 PE 1 2 PE 1 2 3 4	FLE-2
2030 51G	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	GNYE CH W GNYE CH W CH W	52 01 03.12 52 01 06.21 52 04 01.09 52 04 02.08 52 04 03.09 32 04 05.27	4000 4000 4000 4000 4000	+S19X1 +S19X1 +S19X1 +S19X1 +S19X1 +S19X1 +S19X1	24 32 19 21 32 X1 TO +S10 1 2 3 4 5	B4E1	2 PE 1 2 PE 1 2 3 4 5	FLE-2
2030 51G	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	BLK GNYE CH W GNYE CH CH CH CH CH CH CH CH CH CH CH CH CH	52 01 03.12 52 01 06.21 52 04 01.09 52 04 02.08 52 04 03.09 32 04 05.27 43 01 02.10	4000 4000 4000 4000 4000 10000	+S19X1 +S19X1 +S19X1 +S19X1 +S19X1 +S19X1 +S19X1 +S19X1	24 32 19 21 32 X1 TO +S16 1 2 3 4	B4E1	2 PE 1 2 PE 1 2 3 4 5 6	FLE-2







Har No	CABLE SIZE	COLOR	FERRULE NO.	LENGTH	FR	OM	TC)	REMARKS
		-5500		LLIGIN	LOCATION	TER. NO.	LOCATION	TER.NO.	
						9		9	
	'					10		10	CI I/CITALO DUCI
	1					11		11	- FLUSHING PUSH
	1.5 SQ.MM	R	72 01 04-03	10000	+S19X1	12	+S16X1	12	-
	1.5 SQ.MM	BLK	72 01 05.03	10000	+S19X1	13	+S16X1	13	-
	1.5 SQ.MM	СН	72 01 06.05	10000	+S19X1	14	+516X1	14	WSP
53	1.5 SQ.MM	W	72 01 07.05	7	+S19X1	15	+S16X1	15	_
	1.5 SQ.MM	R	33 06 07.05	10000	+S19X1	16			
	1.5 SQ.MM	BLK	33 06 08.07	10000			+S16X1	16	RAZOR SOCKET
	1.5 SQ.MM	 		10000	+S19X1	17	+S16X1	17	
	1.5 3Q.1414	CH	52 01 01.07	10000	+S19X1	18	+S16X1	18	
	1.5.00 1414			-		19		19	-LL-2 .
	1.5 SQ.MM	w	52 01 03.07	10000	+S19X1	20	+S16X1	20 .	
	<u></u>		 	4		21		21	
	1.5 SQ.MM	R	52 04 01	10000	+S19X1	22	+S16X1	22	
						23		23	110 V AC (FI E 1)
	1.5 SQ.MM	BLK	52 04 02	10000	+S19X1	24	+516X1	24	110 V AC (FLE-1)
						25		25	1
	1.5 SQ.MM	CH	32 03 01.22	10000	+S19X1	26	+S16X1	26	
	1.5 SQ.MM	w	32 03 02.22	10000	+S19X1	27	+\$16X1	27	110V DC MOTOR
	1.5 SQ.MM	СН	Res-3	10000	+S19X1	28	+S16X1	28	
	1.5 SQ.MM	CH	Res-4	10000	+S19X1	29	+S16X1	29	EMPTY
2170A				70000		30	, 210/1	30	1
	1.5 SQ.MM	GNYE	52 01 06.07		+S19X1		.6100		
- 1	1.5 SQ.MM		53 01 06.27	10000		31	+S16X1	31	PE EARTHING
1104-3	1.3 3Q.1414	GIVIE	55 01 06.27	10000	+S19X1	32	+S16X1	32	<u></u>
				· · · · · · · · · · · · · · · · · · ·		<u> </u>		a set of page 5	<u>an kada 1974 - 1745 na katawa katawa</u>
					S16X1 TO W	C-2, LL-2,FL	E-3 & FLE-4		
	elgerse die	1 1 1 1 1 1 1							
	1.5 SQ.MM	СН	32 05 08.02	8500	+S16X1	8	C17W1	1	WOLVELT 3
220- K	1.5 SQ.MM	w	72 01 01.03	8500	+S16X1	9	S17H1	2	WC LIGHT-2
1 111			. o Musikan ili.		V-10 1411		gr satisfie	3 1 344	
54F	1.5 SQ.MM	R	52 01 01.15	3000	+S16X1	19		1	
34F	1.5 SQ.MM		52 01 03.14	3000	+516X1	21	BSE1	2	FLE-3
. 1	1.5 SQ.MM		52 01 06.24	Г	+S16X1	32	-	PE	ruc-3
	V 11/258343319			3000	+310/1	32		PE .	
	1.5 SQ.MM		52 01 04.07		- T				
>4 6 ⊦				6000	+S16X1	21		11	
-	1.5 SQ.MM		52 04 02.07	6000		23		2	FLE-4
				9000	+S16X1		B6E1		
1301 .	1.5 SQ.MM	GNYE	52 04 03.07	6000	+S16X1	32		PE	
3901 [.	1.5 SQ.MM				+S16X1		8661	PE	
		GNYE	52 04 03.07		+S16X1	32		PE	
	1.5 SQ.MM	GNYE	52 04 03.07		+S16X1	32		PE	
		GNYE	52 04 03.07	6000	+S16X1 +S16X	32 (1 TO +S17	Xa	PE 1 2	
1		GNYE CH :	52 04 03.07	28000	+S16X1 +S16X	32 C1 TO +S17	X1 +S17X1	1 2	ALARM PULL(LS-12)
1	1.5 SQ.MM	GNYE CH :	52 04 03.07 32 04 05.29	6000	+S16X1 +S16X1	32 C1 TO +S17 1 2 3	Xa	1 2 3	
1	1.5 SQ.MM	CH 3	52 04 03.07 32 04 05.29 43 01 02.02	28000	+S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4	X1 +S17X1 +S17X1	1 2 3 4	
1	1.5 SQ.MM	CH 3	52 04 03.07 32 04 05.29	28000	+S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 5	X1 +S17X1	1 2 3 4 5 5	
1	L.5 SQ.MM L.5 SQ.MM	CH 3	52 04 03.07 32 04 05.29 43 01 02.02 32 05 07.17	28000 28000 28000 28000	+\$16X1 +\$16X1 +\$16X1 +\$16X1	32 C1 TO +S17 1 2 3 4 5 6	+S17X1 +S17X1 +S17X1	PE 1 2 3 4 5 6	ALARM PULL(LS-12)
1	1.5 SQ.MM	CH 3	52 04 03.07 32 04 05.29 43 01 02.02	28000	+S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 6 7	X1 +S17X1 +S17X1	PE 1 2 3 4 5 6	
1	L.5 SQ.MM L.5 SQ.MM	CH 3	52 04 03.07 32 04 05.29 43 01 02.02 32 05 07.17	28000 28000 28000 28000	+\$16X1 +\$16X1 +\$16X1 +\$16X1	32 C1 TO +S17 1 2 3 4 5 6 7 8	+S17X1 +S17X1 +S17X1	PE 1 2 3 4 5 6	ALARM PULL(LS-12)
1	L.5 SQ.MM L.5 SQ.MM	CH 3	52 04 03.07 32 04 05.29 43 01 02.02 32 05 07.17	28000 28000 28000 28000	+\$16X1 +\$16X1 +\$16X1 +\$16X1	32 C1 TO +S17 1 2 3 4 5 6 7	+S17X1 +S17X1 +S17X1	PE 1 2 3 4 5 6 7	ALARM PULL(LS-12)
1	L.5 SQ.MM L.5 SQ.MM	CH 3	52 04 03.07 32 04 05.29 43 01 02.02 32 05 07.17	28000 28000 28000 28000	+\$16X1 +\$16X1 +\$16X1 +\$16X1	32 C1 TO +S17 1 2 3 4 5 6 7 8	+S17X1 +S17X1 +S17X1	1 2 3 4 5 6 7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	ALARM PULL(LS-12) DOOR SWITCH
1	L.5 SQ.MM L.5 SQ.MM	CH 3	52 04 03.07 32 04 05.29 43 01 02.02 32 05 07.17	28000 28000 28000 28000	+\$16X1 +\$16X1 +\$16X1 +\$16X1	32 C1 TO +S17 1 2 3 4 5 6 7 8 9	+S17X1 +S17X1 +S17X1	1 2 3 4 5 6 7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	ALARM PULL(LS-12)
1	L.5 SQ.MM L.5 SQ.MM	CH 3 W 4 CH 3	52 04 03.07 32 04 05.29 43 01 02.02 32 05 07.17	28000 28000 28000 28000	+\$16X1 +\$16X1 +\$16X1 +\$16X1	32 C1 TO +S17 1 2 3 4 5 6 7 8 9	+S17X1 +S17X1 +S17X1	1 2 3 4 5 6 7 7 8 8 9 10	ALARM PULL(LS-12) DOOR SWITCH
1	L.5 SQ.MM L.5 SQ.MM L.5 SQ.MM	CH 3 W 4 CH 3 W 3	52 04 03.07 32 04 05.29 43 01 02.02 32 05 07.17 32 05 08.29	28000 28000 28000 28000 28000 28000	+S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 6 6 7 8 9 10 11	+S17X1 +S17X1 +S17X1 +S17X1 +S17X1	PE 1 2 3 4 5 6 7 8 9 10 11 12 13	ALARM PULL(LS-12) DOOR SWITCH FLUSHING PUSH
1 1 1 1 1 1 1 1 1	L.5 SQ.MM L.5 SQ.MM L.5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM	CH 3 CH 3 R 7 BLK 7	52 04 03.07 32 04 05.29 43 01 02.02 32 05 07.17 32 05 08.29 2 01 04.02 2 01 05.02	28000 28000 28000 28000 28000 28000 28000 28000 28000 28000	+S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 6 6 7 8 9 10 11 12 13	+S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1	PE 1 2 3 4 5 5 6 6 7 8 9 10 11 12 13	ALARM PULL(LS-12) DOOR SWITCH
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L.5 SQ.MM L.5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM	CH 3 W 4 CH 3 W 3 R 7 BLK 7 CH 7	32 04 03.07 32 04 05.29 33 01 02.02 32 05 07.17 32 05 08.29 2 01 04.02 2 01 05.02 2 01 05.04	28000 28000 28000 28000 28000 28000 28000 28000 28000 28000 28000 28000 28000	+S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14	+S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1	PE 1 2 3 4 5 6 7 7 8 9 10 11 12 13 14	ALARM PULL(LS-12) DOOR SWITCH FLUSHING PUSH
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L.5 SQ.MM L.5 SQ.MM 5 SQ.MM 5 SQ.MM 5 SQ.MM 5 SQ.MM 5 SQ.MM 5 SQ.MM	CH 3 W 4 CH 3 W 3 R 7 BLK 7 CH 7 W 7	52 04 03.07 32 04 05.29 43 01 02.02 32 05 07.17 32 05 08.29 2 01 04.02 2 01 05.02 2 01 05.04 2 01 07.04	28000 2000000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 2000000	+S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 6 7 8 9 10 11 12 13 14	+S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1	PE 1 2 3 4 5 6 7 7 8 8 9 10 11 12 13 14 15	ALARM PULL(LS-12) DOOR SWITCH FLUSHING PUSH
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L.5 SQ.MM L.5 SQ.MM 5	CH 3 W 4 CH 3 W 3 R 7 BLK 7 CH 7 W 7 R 3	52 04 03.07 32 04 05.29 43 01 02.02 32 05 07.17 32 05 08.29 2 01 04.02 2 01 05.02 2 01 05.04 2 01 07.04 3 06 07.02	28000 20000 2000000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 2000000	+S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	+S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1	PE 1 2 3 4 5 6 6 7 8 8 9 10 11 12 13 14 15 16	ALARM PULL(LS-12) DOOR SWITCH FLUSHING PUSH
11 11 11 11 11 11 11 11 11 11 11 11 11	L.5 SQ.MM L.5 SQ.MM L.5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM	CH 3 W 4 CH 3 W 3 R 7 BLK 7 W 7 R 3 BLK 3	52 04 03.07 52 04 05.29 43 01 02.02 52 05 07.17 52 05 08.29 2 01 04.02 2 01 05.02 2 01 05.04 2 01 07.04 3 06 07.02 3 06 08.06	28000 2800000 28000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 2000000	+S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	+S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1	PE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	ALARM PULL(LS-12) DOOR SWITCH FLUSHING PUSH
11 11 11 11 11 11 11 11 11 11 11 11 11	L.5 SQ.MM L.5 SQ.MM 5	CH 3 W 4 CH 3 W 3 R 7 BLK 7 W 7 R 3 BLK 3	52 04 03.07 32 04 05.29 43 01 02.02 32 05 07.17 32 05 08.29 2 01 04.02 2 01 05.02 2 01 05.04 2 01 07.04 3 06 07.02	28000 20000 2000000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 2000000	+S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	+S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1	PE 1 2 3 4 5 6 6 7 8 8 9 10 11 12 13 14 15 16	ALARM PULL(LS-12) DOOR SWITCH FLUSHING PUSH
11 11 11 11 11 11 11 11 11 11 11 11 11	L.5 SQ.MM L.5 SQ.MM L.5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM	CH 3 W 4 CH 3 W 3 R 7 BLK 7 W 7 R 3 BLK 3	52 04 03.07 52 04 05.29 43 01 02.02 52 05 07.17 52 05 08.29 2 01 04.02 2 01 05.02 2 01 05.04 2 01 07.04 3 06 07.02 3 06 08.06	28000 2800000 28000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 2000000	+S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	+S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1	PE 1 2 3 4 5 6 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19	ALARM PULL(LS-12) DOOR SWITCH FLUSHING PUSH WSP RAZOR SOCKET
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L.5 SQ.MM L.5 SQ.MM L.5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM	CH 3 W 4 CH 3 W 3 R 7 BLK 7 CH 7 R 3 BLK 3 CH 5	52 04 03.07 52 04 05.29 43 01 02.02 52 05 07.17 52 05 08.29 2 01 04.02 2 01 05.02 2 01 05.04 2 01 07.04 3 06 07.02 3 06 08.06	28000 2800000 28000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 2000000	+S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 4 5 5 6 7 8 9 10 11 12 13 14 15 16 17	+S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1	PE 1 2 3 4 5 6 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19	ALARM PULL(LS-12) DOOR SWITCH FLUSHING PUSH
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L.5 SQ.MM L.5 SQ.MM L.5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM	CH 3 W 4 CH 3 W 3 R 7 BLK 7 CH 7 R 3 BLK 3 CH 5	52 04 03.07 52 04 05.29 43 01 02.02 52 05 07.17 52 05 08.29 2 01 04.02 2 01 05.02 2 01 05.04 2 01 07.04 3 06 07.02 3 06 08.06 2 01 01.05	28000 2800000 28000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 2000000	+S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	+S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1	PE 1 2 3 4 4 5 5 6 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20	ALARM PULL(LS-12) DOOR SWITCH FLUSHING PUSH WSP RAZOR SOCKET
11 11 11 11 11 11 11 11 11 11 11 11 11	L.5 SQ.MM L.5 SQ.MM L.5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM	CH 3 W 4 CH 3 W 3 R 7 BLK 7 CH 7 W 7 R 3 BLK 3 CH 5	52 04 03.07 32 04 05.29 43 01 02.02 32 05 07.17 32 05 08.29 2 01 04.02 2 01 05.02 2 01 05.04 2 01 07.04 3 06 07.02 3 06 08.06 2 01 01.05 2 01 03.05	28000 28000	+S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	+S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1	PE 1 2 3 4 4 5 5 6 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21	ALARM PULL(LS-12) DOOR SWITCH FLUSHING PUSH WSP RAZOR SOCKET
11 11 11 11 11 11 11 11 11 11 11 11 11	L.5 SQ.MM L.5 SQ.MM L.5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM5 SQ.MM	CH 3 W 4 CH 3 W 3 R 7 BLK 7 CH 7 W 7 R 3 BLK 3 CH 5	52 04 03.07 52 04 05.29 43 01 02.02 52 05 07.17 52 05 08.29 2 01 04.02 2 01 05.02 2 01 05.04 2 01 07.04 3 06 07.02 3 06 08.06 2 01 01.05	28000 2800000 28000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 2000000	+S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	+S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1	PE 1 2 3 4 4 5 5 6 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	ALARM PULL(LS-12) DOOR SWITCH FLUSHING PUSH WSP RAZOR SOCKET
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L.5 SQ.MM L.5 SQ.MM L.5 SQ.MM5 CH 3 W 4 CH 3 W 3 R 7 BLK 7 CH 7 W 7 R 3 BLK 3 CH 5 W 5.	52 04 03.07 32 04 05.29 43 01 02.02 32 05 07.17 32 05 08.29 2 01 04.02 2 01 05.02 2 01 05.04 2 01 07.04 3 06 07.02 3 06 08.06 2 01 01.05 2 01 03.05	28000 2800000 28000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 2000000	+S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1 +S16X1	32 C1 TO +S17 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	+S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1 +S17X1	PE 1 2 3 3 4 4 5 5 6 7 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 1 22 22 23 3	ALARM PULL(LS-12) DOOR SWITCH FLUSHING PUSH WSP RAZOR SOCKET	



SEE/D

DY.CEE/D

Har No	CABLE SIZE	COLOR	FERRULE NO.	LENGTH	LOCATION		LOCATION	TER.NO.	REMARKS
	1 5 50 1414	Cu	32 03 01.21	20000	+S16X1	26	+S17X1	26	
	1.5 SQ.MM	CH W	32 03 01.21	28000	+S16X1	27	+S17X1	27	110V DC MOTOR
	1.5 SQ.MM	- 00	32 03 02.21	28000		28		28	
	1.5 SQ.MM	СН	Res-3	28000	+\$16X1	29	+S17X1	29	EMPTY
2225-4	1.5 SQ.MM	СН	Res-4	28000	+S16X1	30	+S17X1	30	
	1.5 SQ.MM	GNYE	52 01 06.04	28000	+S16X1	31	+\$17X1	31	DE EADTHING
	1.5 SQ.MM	GNYE	43 01 PE.02	28000	+516X1	32	+S17X1	32	PE EARTHING
14.11.			gara dalag	1 144 113	Paulsei.		4. 4	ada yin	
					+S17X	L TO WC-3,I	LE-10	,	
57D	1.5 SQ.MM	СН	32 05 08.36	8500	+S17X1	8	S18H1	1	WC LIGHT-3
2320-J	1.5 SQ.MM	w	72 03 01.03	8500	+S17X1	9		2	
		Metalian,	<u> Markinski s</u>			<u> </u>	41175-114		
57F ·	1.5 SQ.MM	R	52 04 01.05	3000	+S17X1	22		1	
	1.5 SQ.MM	BLK	52 04 02.04	3000 .	+\$17X1	24	834E1	2	FLE-10
2125	1.5 SQ.MM	GNYE	52 04 03.03	3000	+S17X1	32	7777	PE	
1,3 - 21 -			7	151.37987		<u> </u>	na raije je		dan zamaka Paranca a a a a a a
57G	1.5 SQ.MM	CH	52 01 01.11	4000	+S17X1	19	B36=1	1	E = 12
	1.5 SQ.MM	W	52 01 03.10	4000	+S17X1	21	B36E1	2	FLE-12
2235	1.5 SQ.MM	GNYE	52 01 06.18	4000	+\$17X1	32	. 114.24 L. 13,444	PE	
1, 4	<u> </u>	<u> </u>				7X1 TO +S1		<u> </u>	<u> </u>
	1.5 SQ.MM	СН	32 04 05.27	10000	+S17X1	1	+S18X1	1	
				10000	2/\	2		2	-
	1.5 SQ.MM	w	43 01 02.10	10000	+S17X1	3	+S18X1	3	ALARM PULL(LS-13)
				10000		4		4	
	1.5 SQ.MM	СН	32 05 07.21	10000	+S17X1	5	+S18X1	5	
				10000		6		6	1
	1.5 SQ.MM	w	32 05 08.33	10000	+S17X1	7	+S18X1	7	DOOR SWITCH
				10000	· .	8		8	
						9		9	-
						10		10	
						11		11	FLUSHING PUSH
	1.5 SQ.MM	R	72 01 04.03	10000	+S17X1	12	+S18X1	12	
	1.5 SQ.MM	BLK	72 01 05.03	10000	+S17X1	13	+\$18X1	13	WCD
	1.5 SQ.MM	ъ	72 01 06.05	10000	+S17X1	14	+S18X1	14	WSP
59	1.5 SQ.MM	W	72 01 07.05	10000	+S17X1	15	+S18X1	15	
33	1.5 SQ.MM	R	33 06 07.05	10000	+S17X1	16	+S18X1	16	RAZOR SOCKET
	1.5 SQ.MM	BLK	33 06 08.07	10000	+\$17X1	17	+S18X1	17	CAZOR SOCKET
	1.5 SQ.MM	CH	52 01 01.07	10000	+S17X1	18	+S18X1	18	
						19		19	ш-4
	1.5 SQ.MM	W	52 01 03.07	10000	+S17X1	20	+S18X1	20	
						21		21	
	1.5 SQ.MM	R	52 04 01	10000	+S17X1	22	+S18X1	22	
						23		23	110 V AC (FLE-11)
	1.5 SQ.MM	BLK	52 04 02	10000	+S17X1	24	+S18X1	24	
						25		25	
	1.5 SQ.MM		32 03 01.22	10000	+S17X1	26	+S18X1	26	110V DC MOTOR
	1.5 SQ.MM	W	32 03 02.22	10000	+S17X1	27	+S18X1	27	
	1.5.60		Pag 7		. 0170	28		28	EMPTO
	1.5 SQ.MM		Res-7	10000	+S17X1	29	+S18X1	29	EMPTY
	1.5 SQ.MM		Res-8	10000	+S17X1	30	+S18X1	30	
	1.5 SQ.MM 1.5 SQ.MM		52 01 06.01 43 01 PE.01	10000	+S17X1 +S17X1	31	+S18X1	31	PE EARTHING
U-0€+c	דים שליואואו	GNTE	-5 UI PE.UI	10000	+21/17	32	+S18X1	32	<u> </u>
		4 - 100	<u>sautitus 221 in kar</u>	unit iktyr.	+S18Y1	TO WC-4,F	I F-11	1 - 1 - 1 - 1	
60D	1.5 SQ.MM	СН	32 05 08.31	9500	+S18X1	8		1	
	1.5 SQ.MM		72 05 01.03	8500 8500	+S18X1	9	\$18H1	2	WC LIGHT-4
	1.3 30,1-11-1		72 03 01.03	8500		3 1	Sp. Flack Laker		
	1.5 SQ.MM		52 04 01.07	3000	+S18X1	22		1	
50F	1.5 SQ.MM		52 04 02.06	3000	+S18X1	24	835E1		FLE-11
			52 04 03.06	3000	+S18X1	32		PE	
- 1	1.5 SQ.MM								

SSE/CAD

gh

DY.CEE/D D

3. DOORWAY & GANGWAY: 51F,51G,54F,54G,57F

Har No	CABLE SE	E COL	OR FERRULE NO	LENGTH		FROM		TO		REMARKS
						ON TER. N	O. LOCATION	N TER.	NO.	
	1			ACCID	ENT EMER	GENCYLIGH	TING CIRCUIT	WIRING		· · · · · · · · · · · · · · · · · · ·
		Y	33 07 16.01	8000	+S1X1		+841E1	1		
62		BL	< 33 07 17.01	8000	+S1X1		+B41E1	2		
	1.5 SQ.MM		E 33 07 18.01	8000	+S1X1					
0000		CH		8000			+B41E1	3		
ROUF	>.	CH			+S1K1		+B41E1	4		L=85M L=130M RRULE NOS.
	+			8000	+S1K1	1	+B41E1	5		
	T	· · · · · ·	20.07.40.00	<u> </u>	7 - 1 - 1			<u> </u>	<u> </u>	
		Y		10000	+B41E1		+B42E1	1		
		-	33 07 17.02	10000	+841E1		+842E1	2		
6ZA	1.5 SQ.MM.	GNY	E 33 07 18.02	10000	+B41E1	3	+B42E1	3	AEL-2,	L=50M
		CH	32 06 12.01	10000	+B41E1	1 4	+B42E1	4	- '	
	L	CH	32 06 12.02	10000	+B41E1	3	+842E1	5		
4 - 1	4 (4 - 1 - 1 - 1	1. 111		Bur Africa	1960 (196					Special control of the second
		Y	33 07 16.03	17000	+B42E1	1	+B43E1	1		
		BLK		17000	+B42E1					
62B	1.5 SQ.MM.	-	E 33 07 18.03	17000			+B43E1	2	<u>.</u>	
		CH			+B42E1		+B43E1	3	AEL-3,	L=85M
	1			17000	+B42E1		+B43E1	4		
		CH	32 06 13.02	17000	+B42E1	3	+B43E1	5		
						·		1.5	1000	
	1	Y	33 07 16,04	26000	+B43E1	1	+B44E1	1		
		BLK	33 07 17.04	26000	+B43E1	2	+B44E1	2		
52C	1.5 SQ.MM.	GNY	33 07 18.04	26000	+B43E1	3	+B44E1	3	 ΔFI -4	I ==130M
		CH		26000	+B43E1				~~~,	C-120M
		СН		26000			+B44E1	4	_	
	1				+B43E1		+B44E1	5		
				. JEM & DED , I (JIAL LENG				ED WITH FE	RRULE NOS.
	<u> </u>									
		T	Teo es ==	-,		LIGHTING	CIRCUIT		-	
ĺ		Y	52 02 07.01	5000	+S1X1	112	+B39E1	1		
63	4505	BLK	52 02 08.01	5000	+S1X1	113	+B39E1	2		
.]	1.5 SQ.MM.	GNYE	43 02 PE.27	5000	+S1X1	PE	+S26H1	PE	PARCIL-1	1
- 1		СН	32 02 01.27	5000	+S1K1	101	+S26H1	2		
10-L		w	43 02 01.27	5000	+S1K1	99	+S26H1	1	-	
		- 1			-					
		Y	52 02 07.02	8000	+S1X1		+B40C4			
.		BLK	52 02 08.02	8000		112	+B40E1	1		
3A .	1.5 SQ.MM.		43 02 PE.28		+S1X1	113	+B40E1	2	_	
				8000	+S1X1	PE	+S27H1	PE	PARCIL-2	
		CH	32 02 01.28	8000	+S1K1	101	+S27H1	2		
5-K		W	43 02 01.28	8000	+S1K1	99	+S27H1	1		
	<u> </u>		Harris Carlot				A Profession Andrews			
					EXHA	UST FAN CIF	RCUIT			
ì		R	33 06 09.05	9000	+S1X1	279	+S11M1	5	T	
4 7	5 50 141	Y	33 06 10,05	9000	+S1X1	280	+S11M1		\dashv	
- 1	.5 SQ.MM.	В	33 06 11.05	9000	+S1X1			7	EF-1	
0-L			33 06 12.04	9000		281	+S11M1	9	_	
		U.11 L	33 06 12.04	3000	+S1K1	282	+S11M1	PE		
				T						<u> </u>
A		R	33 06 09.04	30000	+S1X1	279	+S15M1	3		
1.	5 SQ.MM.	<u>Y</u>	33 06 10.04	30000	+S1X1	280	+S15M1	7		
		B.	33 06 11.04	30000	+S1X1	281	+S15M1	9	- EF-2	
5-G		GNYE	33 06 12.03	30000	+S1K1	282	+\$15M1	PE	-	
-	100									
					PAC	YSTEM WIR	ING			
	T		23 04 07.12	28000					,	
;					+L30X1	19	+L31X1	49	4	
4-	SQ.MM	BEK	23 04 08.12		+L30X1	20	+L31X1	20	1	
)_F		- 1	23-04-09.12		+L30X4	24	+L31X1	24		
			23-04-10.12	28000	+L30X1	22	+L31X1	22		
							i talayi	54 <u>55 35 .</u>]	
		T	32 07 01.12		+L30X1	10	+L31X1	10	1	
T		Ī	32 07 02.12	-	+L30X1	12	+L31X1	12	1	
	1	·	32 07 03.12		+L30X1	11			+	
	. 1		15 01 01.12	<u> </u>			+L31X1	11	4	
		Ľ			+L30X1	SHIELD	+L31X1	13	1	
		- 1	15 01 02.12		+L30X1	8	+L31X1	8]	
			C 04 00 10		+L30X1	7	+L31X1	7	I	
			15 01 03.12	<u></u>						
			15 01 03.12 15 01 04.12		+L30X1	6	+L31X1	6		WAGO TO CORRIDOR WAGO
				-			+L31X1		CORRIDOR WIRING	WAGO TO CORRIDOR WAGO
(4x	4×1)C+2X.		5 01 04.12	-	+L30X1 +L30X1	6 5	+L31X1 +L31X1	5		WAGO TO CORRIDOR WAGO
(4x 75(MULTI-	MULTI-	55 01 04.12 15 01 05.12	28000	+L30X1	6	+L31X1			WAGO TO CORRIDOR WAGO





Sublu DY.CEED D

Har No	CABLE SIZE	COLOR	FERRULE NO.	LENGTH	FF	ROM		то	REMARKS
					LOCATION	TER. NO.	LOCATION	TER.NO	0.
			45 01 08.12		+L30X1	2	+L31X1	2	
			45 01 09.12		+L30X1	1	+L31X1	1	
			45 01 13.12	7	+L30X1	9	+L31X1	9	
			45 01 14.12		+L30X1	13	+L31X1	14	
			45 01 15.12		+L30X1				
	ļ					14	+L31X1	15	
			45 01 16.12	⊣	+L30X1	15	+L31X1	16	
			45 01 17.12		+L30X1	BLK	+L31X1	- 17	
3440-F			45 01 18.12		+L30X1	w	+L31X1	18	
	4 8 27 8 3	149,100	<u> </u>			1.5			State of the second of the second
	1		23-04-07-02	8000	+\$1X1	49	+L30X1	19	
66	4-SQ.MM	BLK	23-04-08-02	8000	+\$1X1	21	+L30X1	24	-
	T-GG,WIW	DER	23-04-09-02	8900	+\$1X1	20	+L30X1	20	-
2305-₺	İ		23-04-10.02	8000	4S1X1	22	+L30X1		-
	to come o	Agricultural and		1 5555	1 -034	<u> </u>		22	_
	T	T	22.07.04.04		T	1.0		affire to go	
			32 07 01.04	_	+S1X1	10	+L30X1	10	
			32 07 02.06	_	+S1X1	12	+L30X1	12	
	1		32 07 03.04		+S1X1	11	+L30X1	11	
		1	45 01 01.01	1	+S1X1	13	+L30X1	13	SBC TO CORRIDOR WAGO
	1		45 01 02.01	7	+S1X1	В	+L30X1	8	- TO SOLUTION WAGO
66A	(4x4x1)C+2X	MUI TI-	45 01 03.01	1	+S1X1			 	- ·
	75(MULTI-	0000	45 01 04.01	8000		7	+L30X1	7	
	CORE)			-	+S1X1	6	+L30X1	6	_
		1 1	45 01 05.01	4	+S1X1	5	+L30X1	5	
		1 1	45 01 06.01	_	+S1X1	4	+L30X1	4	
ĺ		1 1	45 01 07.01	_	+S1X1	3	+L30X1	3	7
		[45 01 08.01		+S1X1	2	+L30X1	2	1
2305-L		j j	45 01 09,01	7	+S1X1	1	+L30X1	1	-
	9 J. J. J. J. J. J. J. J. J. J. J. J. J.			1				<u> </u>	
67	1.5 SQ.MM	w	45 01 12.03	8000	+S1X1	26	.1.46344		
	1.5 SQ.MM		45 02 02.19	 		36	+L40X1	1	SBC TO SPK-1
		1 317		8000	+S1X1	39	+L40X1	2	1
		1	11 - 21 - 11 - 1			100 100 10		Metrica :	
6/A	1.5 SQ.MM	W	45 01 12.04	5000	+S1X1	36	+L41X1	1	
	1.5 SQ.MM	CH 4	45 02 02.20	5000	+S1X1	39	+L41X1	2	SBC TO SPK-2
		u Billion			ay Maran				
67B	1.5 SQ.MM	W 4	15 01 12.06	5000	+L41X1	1	+L42X1		
	1.5 SQ.MM	CH 4	15 02 02.02	5000	+L41X1	2		1	SPK-2 TO SPK-3
. :-					· CTIXCI		+L42X1	2	
1	.5 SQ.MM	W 4	5 01 12.10	5000				<u> </u>	
5/C	.5 SQ.MM			5000	+L42X1	1	+L43X1	1	SPK-3 TO SPK-4
	1.5 30.101101		5 02 02.04	5000	+L42X1	2	+L43X1	2	01 10 3FR4
								1.1	
>/U ⊢	.5 SQ.MM	W 4	5 01 12.12	5000	+L43X1	1	+L44X1	1	
1	.5 SQ.MM	CH 4	5 02 02.06	5000	+L43X1	2	+L44X1	2	SPK-4 TO SPK-5
		9-72-7	ar Englis		T				
1.	.5 SQ.MM	W 4	5 01 12.15	5000	+L44X1		11.4534		
1/E -	.5 SQ.MM		5 02 02.09			1	+L45X1	1	SPK-5 TO SPK-6
	7	<u> </u>		5000	+L44X1	2	+L45X1	2	
1	500.			<u> </u>	10 0 0 100		<u> </u>		
/F	5 SQ.MM		5 01 12.16	5000	+L45X1	1	+L46X1	1	
1.	5 SQ.MM		02 02.10	5000	+L45X1	2	+L46X1	2	SPK-6 TO SPK-7
		30 G 13		art Indeed		ya. 1 3 1 1 2			
1.5	5 SQ.MM	W 45	01 12.18	5000	+L46X1	1			
7G 1.	5 SQ.MM		02 02.12	5000			+L47X1	:	SPK-7 TO SPK-8
		<u> </u>			+L46X1	2	+L47X1	2	
	5 SQ.MM				-	<u> </u>	1		
/H			01 12.20	5000	+L47X1	1	+L48X1	1	SDV a TO SDV a
1.5	5 SQ.MM		02 02.14	5000	+L47X1	2	+L48X1	2	SPK-8 TO SPK-9
					1.00				
<u> </u>	SQ.MM	W 45	01 12.22	11000	+L48X1	1	+L49X1	1	
71 1.5			02 02.16		+L48X1				SPK-9 TO SPK-10
/	SQ.MM		TE ; HARNESS N			TH TO 05:	+L49X1	7 1	
/	SQ.MM	NO.		JUN 1U 381	I O IAL LENG	ILM IO BE É	UUSE SUPPL	JED WITH I	FERRULE NOS.
1.5		NO	-,						
1.5	SQ.MM	NO							
1.5						IRING FOR E	BRL		
1.5	SQ.MM		05 01.01				BRL B19X1	1	
1.5	SQ.MM	R 52		6000	JUMPER W	1			BC TO CABIN-1

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Har N	CABLE SIZE	COLOR	FERRULE NO.	LENGTH	FRO		ТС		REMARKS
			ļ		LOCATION	TER. NO.	LOCATION	TER.NO.	<u> </u>
	1.5 SQ.MM	R	52 05 01.02	3000	+B19X1	2	+B20X1	1	
68A	1.5 SQ.MM	BLK	52 05 02.02	3000	+B19X1	4	+B20X1	3	CABIN-1 TO CABIN-2
	1.5 SQ.MM	GNYE	52 05 52.02	3000	+B19X1	6	+B20X1	5	
		1/17	participation (see						
	1.5 SQ.MM	R	52 05 01.02	3000	+B20X1	2	+B21X1	1	
68B	1.5 SQ.MM	BLK	52 05 02.02	3000	+B20X1	4	+B21X1	3.	CABIN-2 TO CABIN-3
	1.5 SQ.MM	GNYE	52 05 52.02	3000	+B20X1	6	+B21X1	5	
			<u> 1721 Station de la c</u>	1919 pt 10 10 10 10 10 10 10 10 10 10 10 10 10		19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	1.5 SQ.MM	R	52 05 01.02	3000	+B21X1	2	+B22X1	1	<u> </u>
68C	1.5 SQ.MM	BLK	52 05 02.02	3000	+821X1	4	+B22X1	3	CABIN-3 TO CABIN-4
	1.5 SQ.MM	GNYE		3000	+821X1	6	+B22X1	5	
*	4500100	1	T=	4 (1/4/14)		H 1, 14	47.0		
68D	1.5 SQ.MM 1.5 SQ.MM	R BLK	52 05 01.03	14000	+S28U1	11	+B23X1	1	<u> </u>
000	1.5 SQ.MM		52 05 02.03	14000	+S28U1	2	+B23X1	3	SBC TO CABIN-5
	1.5 30.1010	GIVIE	52 05 52.03	14000	+S28U1	6	+B23X1	5	<u> </u>
	1.5.50 MM		E2 05 04 02	2000	DOOY4		- 11.41° 11.11	<u> </u>	
68E	1.5 SQ.MM 1.5 SQ.MM	R	52 05 01.02	3000	+B23X1	2	+B24X1	11	
	1.5 SQ.MM 1.5 SQ.MM	 	52 05 02.02	3000	+B23X1	4	+B24X1	3	CABIN-5 TO CABIN-6
	1.5 SQ.IVIIVI	GIVYE	52 05 52.02	3000	+B23X1	6	+B24X1	5	
<u></u>	1.5 SQ.MM	R			*B0.000		, mertin		
68F	1.5 SQ.MM		52 05 01.02	3000	+B24X1	2	+B25X1	1	
201			52 05 02.02	3000	+B24X1	4	+B25X1	3	CABIN-6 TO CABIN-7
· ·	1.5 SQ.MM	GNYE	52 05 52.02	3000	+324X1	6	+B25X1	5	
	1.550 MM	T -	E2.05.04.00					- 1-1-1	
68G	1.5 SQ.MM 1.5 SQ.MM		52 05 01.02	3000	+B25X1	2	+B26X1	1	
000			52 05 02.02	3000	+B25X1	4	+B26X1		CABIN-7 TO CABIN-8
	1.5 SQ.MM	لسبب	52 05 52.02	3000	+B25X1	6	+B26X1	5	
		* 10 T D D D			<u> </u>				
	1.5 SQ.MM.		52.05.04.04				-1 TO BRL-24		
69			52 05 01.04	1800	+B19X1	1	+B48E1	1	
03	1.5 SQ MM		52 05 02.04	1800	+B19X1	3	+B48E1	2	BRL-1
	1.5 SQ.MM.	GNYE	52 05 52.04	1800	+B19X1	5	+B48E1	PE	
			50.05.04.05	T		1-1	<u> Patricka</u>		
69A	1.5 SQ.MM.		52 05 01.05	3000	+B19X1	1	+B49E1	1	
UJA	1.5 SQ.MM 1.5 SQ.MM		52 05 02.05	3000	+819X1	3	+B49E1		BRL-2
	1.5 30.10101	GNTE	52 05 52.05	3000	+B19X1	5	+B49E1	PE	MAIL CONTRACTOR OF THE PARTY OF
	1.5 SQ.MM	R	52 05 01,04	4000					
69B	1.5 SQ.MM		52 05 02.04	1800	+B19X1	2	+B50E1	1	
***	1.5 SQ.MM		52 05 02.04	1800	+B19X1	4	+B50E1		BRL-3
	1.0 00.10101	GIVIE I	32 03 32.04	1800	+B19X1	6	+B50E1	PE	
	1.5 SQ.MM	R	52 05 01.05	3000		2	05454	1938.5.1	
69C	1.5 SQ.MM		52 05 02.05		+B19X1	2	+B51E1		
	1.5 SQ.MM		52 05 52.05	3000	+B19X1	4	+B51E1		BRL-4
1,	1.5 30,14(4)	GNTE		3000	+B19X1	6	+B51E1	PE	
	1.5 SQ.MM		2 05 01.04	1800	CAB				
	1.5 SQ.MM				+820X1	1	+B52E1	1	
	1.5 SQ.MM		2 05 02.04	1800	+B20X1	3	+B52E1		3RL-5
	1.5 SQ.IVIIVI		2 05 52.04	1800	+B20X1	5	+B52E1	PE	
	1.5 SQ.MM	p s	2 05 01,05	2000	.000			104111	
ŀ	1.5 SQ.MM			3000	+B20X1	1	+B53E1	1	
- 1	1.5 SQ.MM		2 05 02.05	3000	+B20X1	3	+B53E1		BRL-6
	1.5 GQ.IVIIVI	GNYE 5	2 05 52.05	3000	+B20X1	5	+B53E1	PE	
1	1.5 SQ.MM		2 05 01.04	1800	CABI				
t	1.5 SQ.MM		2 05 02.04		+B21X1	1	+B54E1	1	PDI 7
- 1	1.5 SQ.MM		2 05 02.04	1800	+B21X1	3	+B54E1		RL-7
	1.5 SQ.IVIIVI	J. 1. 12	2 05 52.04	1800	+B21X1	5	+B54E1	PE	
	1.5 SQ.MM	R 5	2 05 01.05	3000			+955C4		
-	1.5 SQ.MM		2 05 02.05		+821X1	1	+B55E1	1	ent o
	1.5 SQ.MM		2 05 02.05	3000	+B21X1	3	+B55E1		RL-8
	1.5 SQ.IVIIVI			3000	+B21X1	5	+855E1	PE	
Ţ.	1.5 SQ.MM		2.05.01.04	1900	.D2474				
	· · · · · · · · · · · · · · · · · · ·		2 05 01.04	1800	+B21X1	2	+B56E1		.
. h	1550 8484			1800	+B21X1	4	+B56E1	2 B	
18	1.5 SQ.MM 1.5 SQ.MM		2 05 52.04	1800	+821X1	6	+B56E1	PE	RL-9







	OAD! = 0:==	00:05	EEDOULE NO	LENGTH	FRO	. мс	TC)	REMARKS	
Har No	CABLE SIZE	COLOR	FERRULE NO.	LENGIH	LOCATION	TER. NO.	LOCATION	TER.NO.		
	1.5 SQ.MM	R	52 05 01.05	3000	+B21X1	2	+B57E1	1		
71C	1.5 SQ.MM	BLK	52 05 02.05	3000	+B21X1	4	+B57E1	2	BRL-10	
	1.5 SQ.MM		52 05 52.05	3000	+B21X1	6	+B57E1	PE		
		11.55.50		ega garandara 1977 Karagada kabupatèn	C/	BIN -3 (7 T	O 10)			
	1.5 SQ.MM	R	52 05 01.04	1800	+B22X1	1	+B58E1	11		
72	1.5 SQ.MM	BLK	52 05 02.04	1800	+B22X1	3	+B58E1	2	BRL-11	
	1.5 SQ.MM	GNYE	52 05 52.04	1800	+B22X1	5	+B58E1	PE		
	. Para Projection	Mg (1027)	organistical	indiana)			in Harit			
	1.5 SQ.MM	R	52 05 01.05	3000	+B22X1	1	+B59E1	1		
72A	1.5 SQ.MM	BLK	52 05 02.05	3000	+B22X1	3	+B59E1	2	BRL-12	
	1.5 SQ.MM	GNYE	52 05 52.05	3000	+B22X1	5	+B59E1	PE	1	
	eje a sa sa sa sa s			13/6/15/4/4	C/	BIN -4 (11	ΓO 12.)		48 - Intonue 4 - Tone 14 - I	
	1,5 SQ.MM	R	52 05 01.04	1800	+B23X1	1	+860E1	1		
73	1.5 SQ.MM	BLK	52 05 02.04	1800	+B23X1	3	+B60E1	2	BRL-13	
	1.5 SQ.MM	GNYE	52 05 52.04	1800	+B23X1	5	+B60E1	PE		
	1 11 11 12 13 14	 						434.00	Addition to A Markey	and the second
	1.5 SQ.MM	R	52 05 01.05	3000	+B23X1	1	+B61E1	1	1	
73A	1.5 SQ.MM	BLK	52 05 02.05	3000	+B23X1	3	+B61E1	2	BRL-14	
	1.5 SQ.MM	+	52 05 52.05	3000	+B23X1	5	+B61E1	PE		
	1.5 30.10101	31114	<u> </u>	3000		BIN -5 (13 7				
·	1.5 SQ.MM	R	52 05 01.04	1800	+B24X1	1	+B62E1	1	 	
74	1.5 SQ.MM	BLK	52 05 02.04	1800	+B24X1	3	+B62E1	2	BRL-15	
ı 		-	52 05 02.04	1800	+B24X1	5	+B62E1	PE		
	1.5 SQ.MM	GINTE	JE 03 3E.U4	IOUU	+824X1		-004E1			
		1 -	Ico oc oc oc	0000		Sant Drew 15	20054		1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	
740	1.5 SQ.MM	R	52 05 01.05	3000	+B24X1	1	+B63E1	1		
74A	1.5 SQ.MM	BLK	52 05 02.05	3000	+B24X1	3	+B63E1	2	BRL-16	
	1.5 SQ.MM	GNYE	52 05 52.05	3000	+B24X1	5	+B63E1	PE		
	<u>Marinan</u>			<u> </u>		7.1. (12.1.1.)				
	1.5 SQ.MM	R	52 05 01.04	1800	+B24X1	2	+B64E1	1	_	
74B	1.5 SQ.MM	BLK	52 05 02.04	1800	+B24X1	4	+B64E1	2	BRL-17	
	1.5 SQ.MM	GNYE	52 05 52.04	1800	+B24X1	6	+B64E1	PE		
100	134134	.,442.3.33					la sa a cara	<u> </u>	transferieras in a complete	
	1.5 \$Q.MM	R	52 05 01.05	3000	+B24X1	2	+B65€1	.1		
74C	1.5 SQ.MM	BLK	52 05 02.05	3000	+B24X1	4	+B65E1	2	BRL-18	
	1.5 SQ.MM	GNYE	52 05 52.05	3000	+B24X1	6	+B65E1	PE		
44.50	a Buda Ara	144 1		Auginst 1980)	CA	BIN -6 (15 T	O 18)	EX. IX IX		
	1.5 SQ.MM	R	52 05 01.04	1800	+B25X1	1	+B66E1	1		
75	1.5 SQ.MM	BLK	52 05 02.04	1800	+B25X1	3	+B66E1	2	BRL-19	
	1.5 SQ.MM	GNYE	52 05 52.04	1800	+B25X1	5	+B66E1	PE		
		i di da		F. (1933)				. 157		
	1.5 SQ.MM	R	52 05 01.05	3000	+B25X1	1	+B67E1	1		
75A	1.5 SQ.MM	BLK	52 05 02.05	3000	+B25X1	5	+B67E1	2	BRL-20	
	1.5 SQ.MM		52 05 52.05	3000	+B25X1	9	+B67E1	PE	1	
1571	4.44 a 155 a	75,837	garara bar		<u> </u>		O 20)			
	1.5 SQ.MM	R	52 05 01.04	1800	+B26X1	1	+B68E1	1		
76	1.5 SQ.MM		52 05 02.04	1800	+B26X1	3	+B68E1	2	BRL-21	
	1.5 SQ.MM		52 05 52.04	1800	+B26X1	5	+B68E1	PE	-	
	1.3 3Q.IVIVI		Les et al. 1 de l'Es	1800	JEUN I		20021			
	, 	р	52.05.01.05		100eV4	37,75 m m	+D60E4			
764	1.5 SQ.MM		52 05 01.05	3000	+826X1	1	+B69E1	1	PDI 22	•
76A	1.5 SQ.MM		52 05 02.05	3000	+B26X1	3	+B69E1	2	BRL-22	
	1.5 SQ.MM		52 05 52.05	3000	+B26X1	5	+B69E1	PE		
				QAMITEE:			<u> </u>			<u> </u>
	1.5 SQ.MM		52 05 01.04	1800	+B26X1	2	+B70E1	1		
76B	1.5 SQ.MM		52 05 02,04	1800	+B26X1	4	+870E1	2	BRL-23	
	1.5 SQ.MM		52 05 52.04	1800	+B26X1	6	+B70E1	PE		
114					<u> 41 135 15</u>			15.4.75		1 1
	1.5 SQ.MM	R	52 05 01.05	3000	+B26X1	2	+B71E1	1		
76C	1.5 SQ.MM	BLK	52 05 02.05	3000	+B26X1	4	+871E1	2	BRL-24	
	1.5 SQ.MM	GNYE	52 05 52.05	3000	+B26X1	6	+871E1	PE		
					CAE	3IN -8 (21 To	0 24 }	411.00		44. 2. 59
			······································	WIRING FO			NDICATION CI	RCUIT		······································
	1.5 SQ.MM	СН	32 02 02.01	5000	+S1X1	116	B9U1	1		
									· · · · · · · · · · · · · · · · · · ·	
		w	32 02 03.01	5000	+S1X1	117	8907			
77	1.5 SQ.MM 1.5 SQ.MM		32 02 03.01 32 02 PE.01	5000	+S1X1 +S1X1	117	89U1 89U1	3		







Har No	CARLESIZE	COLOR	EEDDIN E NO	LENGTH	FRO	OM	TO)	REMARKS
	CABLE SIZE	COLUR	FERRULE NO.	LENGTH	LOCATION	TER. NO.	LOCATION	TER.NO.	
	!			WIRI	NG FROM AN	NUNCIATOR	TO CABINS(+	VE)	
78	1.5 SQ.MM	CH	32 02 02.02 -	7000	B9U1	1	S41S1	1	CABIN-1
79	1.5 SQ.MM	СН	33 02 02.03	10000	B9U1	1	S42S1	1	CABIN-2
80	1.5 SQ.MM	СН	34 02 02.04	13000	B9U1	1	S43S1	1	CABIN-3
81	1.5 SQ.MM	СН	35 02 02.05	16000	B9U1	1	S44S1	1	CABIN-4
82	1.5 SQ.MM	СН	36 02 02.06	19000	B9U1	1	S45S1	1	CABIN-5
83	1.5 SQ.MM	СН	37 02 02.07	22000	B9U1	1	S46S1	1	CABIN-6
84	1.5 SQ.MM	СН	38 02 02.08	25000	B9U1	1	S47S1	1	CABIN-7
85	1.5 SQ.MM	СН	39 02 02.09	28000	B9U1	1	S48S1	1	CABIN-8
86	1.5 SQ.MM	w	39 02 02.10	28000	B9U1	1	S48S1	1	For looping
100	ent, viljeralin	1.000		far tipe in	National Control		THE LANGE OF STREET	1344	
	:			WIRING FO	OR BELL-PUS	H ANNUNCI	ATOR TO CAB	INS(-VE)	
87	1.5 SQ.MM	СН	32 02 03,02	1000	B9U1	2	B27X1	2	CABIN-1
1.7	Adda 1		GREET, High	Tour March		113.1		1135	The second secon
88	1.5 SQ.MM	СН	32 02 03.04	1000	827X1	2	B28X1	2	CABIN-2
		T 17 (17)	Paga paga pa		11.50	7 7 7 7 7			
89	1.5 SQ.MM	СН	32 02 03.06	1000	B28X1	2	B29X1	2	CABIN-3
	1 10 11 11 11 11	Juliana,	avite ieroteja		Sanga ada a				Complete a Complete and a complete and a second a second and a second
90	1.5 SQ.MM	СН	32 02 03.08	1000	B29X1	2	B30X1	2	CABIN-4
11,000			10.000		. 1 12				
91	1.5 SQ.MM	CH	32 02 03.10	1000	B30X1	2	B31X1	2	CABIN-5
		7,71			30371		55171		JOADINO
92	1.5 SQ.MM	CH	32 02 03.12	1000	B31X1	2	B32X1	2	CABIN-6
			111 122 1 3 5 5 5 1 1	1000	DO IXI		BOZX1		Mark the second of the second
93	1.5 SQ.MM	CH	32 02 03.14	1000	B32X1	2	B33X1	2	CABIN-7
			02 02 00.14	1000	DOZAT		533×1		CABIN-7
94	1.5 SQ.MM	СН	32 02 03.16	1000	B33X1		lar war are		Caspilla.
•	1.0 00.37.10		32 02 03.10	1000	B33∧1	2	B34X1	2	CABIN-8
4.2	and the second								
			10.0	IDING FROM	CARINI MINIO	4T000 T0			
06	1.5.50 101	~					ANNUNCIATOR		· · · · · · · · · · · · · · · · · · ·
	1.5 SQ.MM		32 02 02.11	9000	B9U1	1	\$4151	1	CABIN-1
96	1.5 SQ.MM	СН	32 02 02.11 33 02 02.12	9000 11000	B9U1 B9U1	1	\$41\$1 \$42\$1	1	CABIN-1 CABIN-2
96 97	1.5 SQ.MM 1.5 SQ.MM	CH	32 02 02.11 33 02 02.12 34 02 02.13	9000 11000 13000	B9U1	1	\$4151	1	CABIN-1
96 97 98	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH CH	32 02 02.11 33 02 02.12 34 02 02.13 35 02 02.14	9000 11000 13000 16000	B9U1 B9U1 B9U1 B9U1	1	\$41\$1 \$42\$1	1 1	CABIN-1 CABIN-2
96 97 98 99	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	다 다 다 다	32 02 02.11 33 02 02.12 34 02 02.13 35 02 02.14 36 02 02.15	9000 11000 13000 16000 19000	B9U1 B9U1 B9U1	1 1 1	\$41\$1 \$42\$1 \$43\$1	1 1 1	CABIN-1 CABIN-2 CABIN-3
96 97 98 99 100	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	다 다 다 다 다	32 02 02.11 33 02 02.12 34 02 02.13 35 02 02.14 36 02 02.15 37 02 02.16	9000 11000 13000 16000	B9U1 B9U1 B9U1 B9U1	1 1 1 1 1	\$41\$1 \$42\$1 \$43\$1 \$44\$1	1 1 1 1	CABIN-1 CABIN-2 CABIN-3 CABIN-4
96 97 98 99 100	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다	32 02 02.11 33 02 02.12 34 02 02.13 35 02 02.14 36 02 02.15 37 02 02.16 38 02 02.17	9000 11000 13000 16000 19000	B9U1 B9U1 B9U1 B9U1 B9U1	1 1 1 1 1	\$41\$1 \$42\$1 \$43\$1 \$44\$1 \$45\$1	1 1 1 1 1	CABIN-1 CABIN-2 CABIN-3 CABIN-4 CABIN-5
96 97 98 99 100 101 102	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다	32 02 02.11 33 02 02.12 34 02 02.13 35 02 02.14 36 02 02.15 37 02 02.16	9000 11000 13000 16000 19000 22000	B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1	1 1 1 1 1	\$41\$1 \$42\$1 \$43\$1 \$43\$1 \$44\$1 \$45\$1 \$46\$1	1 1 1 1 1 1 1 1	CABIN-1 CABIN-2 CABIN-3 CABIN-4 CABIN-5 CABIN-6
96 97 98 99 100 101 102	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH CH CH CH CH	32 02 02.11 33 02 02.12 34 02 02.13 35 02 02.14 36 02 02.15 37 02 02.16 38 02 02.17	9000 11000 13000 16000 19000 22000 25000	B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1	1 1 1 1 1 1 1	\$41\$1 \$42\$1 \$43\$1 \$44\$1 \$45\$1 \$46\$1 \$47\$1	1 1 1 1 1 1 1 1 1 1 1 1 1	CABIN-1 CABIN-2 CABIN-3 CABIN-4 CABIN-5 CABIN-6 CABIN-7
96 97 98 99 100 101	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH CH CH CH CH	32 02 02.11 33 02 02.12 34 02 02.13 35 02 02.14 36 02 02.15 37 02 02.16 38 02 02.17 39 02 02.18	9000 11000 13000 16000 19000 22000 25000 28000	B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$41\$1 \$42\$1 \$43\$1 \$44\$1 \$45\$1 \$45\$1 \$46\$1 \$47\$1 \$48\$1	1 1 1 1 1 1 1 1 1 1 1 1 1	CABIN-1 CABIN-2 CABIN-3 CABIN-4 CABIN-5 CABIN-6 CABIN-7 CABIN-8
96 97 98 99 100 101 102	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH CH CH CH CH	32 02 02.11 33 02 02.12 34 02 02.13 35 02 02.14 36 02 02.15 37 02 02.16 38 02 02.17 39 02 02.18 39 02 02.19	9000 11000 13000 16000 19000 22000 25000 28000	B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$41\$1 \$42\$1 \$43\$1 \$44\$1 \$45\$1 \$45\$1 \$46\$1 \$47\$1 \$48\$1	1 1 1 1 1 1 1 1	CABIN-1 CABIN-2 CABIN-3 CABIN-4 CABIN-5 CABIN-6 CABIN-7 CABIN-8
96 97 98 99 100 101 102 103	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH CH CH CH CH CH CH CH CH CH CH CH CH C	32 02 02.11 33 02 02.12 34 02 02.13 35 02 02.14 36 02 02.15 37 02 02.16 38 02 02.17 39 02 02.18 39 02 02.19	9000 11000 13000 16000 19000 22000 25000 28000	B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$41\$1 \$42\$1 \$43\$1 \$44\$1 \$45\$1 \$45\$1 \$46\$1 \$47\$1 \$48\$1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CABIN-1 CABIN-2 CABIN-3 CABIN-4 CABIN-5 CABIN-6 CABIN-7 CABIN-8
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96 97 98 99 100 101 102 103	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH CH CH CH CH CH CH CH CH CH CH CH CH C	32 02 02.11 33 02 02.12 34 02 02.13 35 02 02.14 36 02 02.15 37 02 02.16 38 02 02.17 39 02 02.18 39 02 02.19 W 32 02 03.19	9000 11000 13000 16000 19000 22000 25000 28000 28000 28000 IRING FROM 3000	B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$41\$1 \$42\$1 \$43\$1 \$44\$1 \$45\$1 \$46\$1 \$46\$1 \$47\$1 \$48\$1 \$48\$1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CABIN-1 CABIN-2 CABIN-3 CABIN-4 CABIN-5 CABIN-6 CABIN-7 CABIN-8 For looping CABIN-1
96 97 98 99 100 101 102 103 104	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH CH CH CH CH CH CH CH CH CH CH CH CH C	32 02 02.11 33 02 02.12 34 02 02.13 35 02 02.14 36 02 02.15 37 02 02.16 38 02 02.17 39 02 02.18 39 02 02.19 W 32 02 03.19	9000 11000 13000 16000 19000 22000 25000 28000 28000 28000 IRING FROM 3000	B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$41\$1 \$42\$1 \$43\$1 \$44\$1 \$45\$1 \$46\$1 \$46\$1 \$47\$1 \$48\$1 \$48\$1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CABIN-1 CABIN-2 CABIN-3 CABIN-4 CABIN-5 CABIN-6 CABIN-7 CABIN-8 For looping CABIN-1
96 97 98 99 100 101 102 103 104	1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM 1.5 SQ.MM	CH CH CH CH CH CH CH CH CH CH CH CH CH C	32 02 02.11 33 02 02.12 34 02 02.13 35 02 02.14 36 02 02.15 37 02 02.16 38 02 02.17 39 02 02.18 39 02 02.19 W 32 02 03.19 W 32 02 03.21	9000 11000 13000 16000 19000 22000 25000 28000 28000 28000 IRING FROM 3000	B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1 B9U1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$41\$1 \$42\$1 \$43\$1 \$44\$1 \$45\$1 \$45\$1 \$46\$1 \$47\$1 \$48\$1 \$48\$1 \$48\$1 \$48\$1 \$48\$1 \$48\$1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CABIN-1 CABIN-2 CABIN-3 CABIN-4 CABIN-5 CABIN-6 CABIN-7 CABIN-8 For looping CABIN-1 CABIN-1
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ANNEXURE-C

EDTS 254 Rev-J Break up of End fittings for reference at shop floor PUMP Overall QPC Qty Termination at other Qty Location on item Size location Connection box 2 PG-11 Pump Connection Box for Pump Through Box 1 2 PG-21 **60 KVA TRANSFORMER** Input Side Through Box PG-29 1 Through Box PG-36 **Output Side** PRE-COOLING SOCKET PG-36 End wall Through Box 2 4 2 **5 KVA TRANSFORMER** PG-16 Input & Output Side 0 Through Box 4 2 **Capacitor Bank** PG-21 0 Through Box Input & Output Side 2 4 AIR BRAKE MODULE PG-16 Pressure Switch 1 Through Box 1 2 WSP ITEMS PG-16 VK-1 VK-6 2 1 1 VK-2 PG-16 1 VK-6 1 2 SBC to VK-6 PG-21 1 VK-6 1 2 PG-16 VK-3 1 Through Box 1 2 PG-16 VK-4 1 1 2 SBC to VK-7 PG-21 1 Through Box 1 2 PG-16 VK-7 to EVR-1 1 0 1 PG-16 VK-7 to EVR-2 1 0 1 PG-16 VK-7 to EVR-3 1 -0 1 PG-16 VK-7 to EVR-4 1 0 1 PG-16 SBC to VK-5 1 VK-5 1 2 PG-16 VK-5 to EVR-1 1 -1 PG-16 VK-5 to EVR-2 1 _ 1 PG-16 VK-5 to EVR-3 1 1 PG-16 VK-5 to EVR-4 1 **FEEDER LOOP** PG-48 FJB-1 to SBC 0 Through Box 1 PG-48 FJB-2 to SBC 0 Through Box 1 1 **BATTERY AND FUSE BOXES** PG-21 Battery Box +ve Fuse Box 1 2 PG-21 Battery Box 1 -ve Fuse Box 1 2 PG-21 +ve Fuse Box to SBC 1 Through Box 1 2 PG-21 +ve Fuse Box to SBC 1 Through Box 2 1 PG-21 -ve Fuse Box to SBC 1 Through Box 1 2 PG-16 *-ve Fuse Box to SBC 1 Through Box 1 2 PG-16 +ve Fuse Box 1 **Battery Box** 1 2 **UNDER SLUNG RBC** PG-16 **RBC** Through Box 1 2 PG-21 RBC 1 Through Box 1 2 PG-29 RBC 1 Through Box

S.no.	Item	QPC as per drawing	
1.	End fitting PG-11 , straight	4	
2	End fitting PG-16 , straight	26	
3	End fitting PG-21 , straight	20	
4	End fitting PG-29 , straight	4	
5	End fitting PG-36 , straight	6 .	
6	End fitting PG-48 , straight	2	-

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Corrigendum -1 to specification no EDTS 254 Rev J

This corrigendum is issued to specification no EDTS 254 Rev. 'J' for 'Harness of Under frame and Roof arrangement for LHB EOG 1st AC coaches' to change the scope of supply as follows:

Clause 2.0 (i) shall be read as:

2.0 Scope of supply:

(i) Procurement of the item specified in BOM of the specification shall be from RDSO/RCF/ICF approved vendors mentioned in the latest version of the vendor directory issued by RCF/ICF/RDSO respectively, however The procurement of cables shall be done from RDSO 'approved vendors' for minimum 80% quantity of NPQ and balance 20% quantity from 'developmental vendors' as mentioned in latest version of the vendor directory issued by RDSO.

Based on the procurement of various sizes of cables from either approved or developmental sources, the cable harness shall be categorized as under:

- Category-A Cable Harness with approved sources of cables (80% min.)

- Category-B Cable Harness with developmental sources of cables (up to 20%)

Category-B type of cable harnesses may be supplied with cables procured from developmental sources however in no case category-A type shall be supplied with cables procured from developmental sources.

Firm shall maintain a record according to the above classification and offer to RITES/inspecting official for inspection in format EDF 0001 annexed with the specification.

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Corrigendum - 2

Corrigendum -2 to specification no EDTS 254 Rev J, Corr.1

This corrigendum is issued to specification no EDTS 254 Rev. 'J' Corr.1 for 'Harness of Under frame and Roof arrangement for LHB EOG 1st AC coaches' and the details are as follows:

The specification no. EDTS 132 Rev C, AM-4 may be read as EDTS 132 Rev C, AM-3, Corr.1.

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Corrigendum -3 to specification no EDTS 254 Rev J, Corr.2

This corrigendum is issued to specification no EDTS 254 Rev. 'J' Corr.2 for 'Harness of Under frame and Roof arrangement for LHB EOG First AC coaches' and the details are as follows:

1. Clause 2.1 (a) : BILL OF MATERIAL

S.no. 85 in the clause no. 2.1 (a) A in the BOM added to include the QPC of 122 meters for 3x1.0 mm² (DS-4) multi-core cables 600/1000V colour wh,Br,Blk as follows:

S.NO.	DESCRIPTION	CABLE SIZE	DETAIL	QPC/	REMARKS/LOCATION
		mm²	DRG./SPEC	COACH	
85	3X1.0 mm² multi-core	3X1.0	EDTS 132 Rev	122 Mt.	Speed Sensor/Disc
,	screened cables		'C', AM-		Brake cables
	600/1000V grade, color		3,Corr.1 or		
	W,Br,Blk		latest Version	,	

2. Clause 2.1 (b) VII & VIII:

Harness at 2.1(b) VII) & VIII) to be supplied as indicated against Speed Sensor/Disc Brake cables.

3. Clause 5.10 (a): S.no.6:

ISI marked indicated in the clause no. 5.10(a) at S.no.6 stands deleted and FRLT tapes shall be procured as per specification no. ICF/ELEC/921 Rev.0 or Latest Version from approved sources mentioned in the vendor directory issued by ICF.

- **4.** Thin walled flexible elastomeric cables with copper conductors to be procured as per latest applicable Version of specification no. ELRS/SPEC/ELC/0019 against which the sources are approved by RDSO.
- **5.** Conduit system for cable management to be procured as per latest applicable Version of the specification no. RDSO/PE/SPEC/AC/0138 against which sources are approved by RDSO.
- **6.** Cable marking system, Cable Jacket system & Cable binders shall be procured as per Latest applicable specification/drawing and from approved sources in the vendor directory issued by RCF.

7. Clause no. 5.10(a) Details of Testing:

S.no. (1)g may be read as: Slippage test as per clause 7.4.6 of the RDSO spec. (two samples for size less than 25mm dia and two samples for dia more than 25mm).

Annexure-B:

- i) Length of harness no.9 for bracket fan i.e F1 shall be read as 3500mm instead of 3000mm and complete harness no. 9 shall be laid in polyamide flexible conduit of NW-17 size instead of PVC conduit. The length of polyamide flexible conduit shall be 3m length.
- ii) Length of harness no. 104,106,108 & 110 shall be read as 4500mm instead of 3000mm and the colour shall be white instead of chocolate.
- iii) Length of harness no. 105,107,109 & 111 shall be read as 1500mm instead of 3000mm and the colour shall be white instead of chocolate.
- iv) Length of harness no. 39G shall be read as 7000 mm instead of 5000 mm.
- v) Length of harness no. 39I shall be read as 7000 mm instead of 4000 mm.

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Corrigendum -4 to specification no EDTS 254 Rev J, Corr.3

This corrigendum is issued to specification no EDTS 254 Rev. 'J'Corr.3 for ' Harness of Under frame and Roof arrangement for LHB EOG First AC coaches' and the details are as follows:

1. Point no.1 & 2 mentioned in the corrigendum no. 3 deleted.

QPC of 122 meter $3x1.0 \, \text{mm}^2$ (DS-4) multi-core cables 600/1000V colour wh,Br,Blk for speed sensor/disc brake cables deleted as these are being supplied by the disc brake suppliers.

2. Clause no. 4.0 c) is reproduced as under:

Work instructions for preparation of harness to RCF document no. EDW0003 with latest version to be followed.

3. Clause no. 4.3 a, b & c i.e. Technical staff:

Deleted, as this part has already been mentioned in the STR for manufacture of cable harness.

4. Clause no. 4.14: Deleted.

5. Clause no. 5.4 is reproduced as under:

Cable Management system prescribed in RDSO specification RDSO/PE/SPEC/AC/0138-2009(Latest revision) shall be inspected by M/s RITES for acceptance & routine tests at the premises of OEM (i.e. cable management system manufacturer).

6. Clause no. 5.10 a) S.no.5:

The testing parameters for copper crimping sockets i.e. crimping test and flattening tests shall stand deleted as crimping sockets shall be procured as per latest applicable specification/drawing and crimping is to be carried out after laying harness in the coach from approved sources specified in the vendor directory issued by RCF.

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Corrigendum-5 to Specification No. EDTS-254, Rev-J, Corr-1, 2, 3, 4

This corrigendum is issued to specification no. EDTS-254, Rev-J, Corr-1, 2, 3, 4 i.e. 'Ready-made Harness of Roof and Under-frame arrangement for LHB EOG FIRST AC Coaches' in-order to incorporate the following changes:-

2.1 (a) Bill of Material

S.	Deceriation	Cable Size	Detailed D	Org./Spec.	Longth	Remarks
N.	Description	(in mm²)	Existing	Revised	Length	
46	4x1.5 sq.mm multi-core E- Beam Cable 600/1000V colour Wh, Br, Blk, GNYE	4 x 1.5	EDTS-132, Rev-C, Am-3, Corr-1 (DS-4)	EDTS-132, Rev-C, Am-3, Corr-1 (DS-3)	39 mt.	Pump Cables

2.1 b) Preparation/Bunching of harness:

S.No.-V: Data sheet for Pump cables of size 4x1.5mm² (except control cables) shall be read as details mentioned in 2.1(a) above.

S.No.-XIII: Under slung Regulated Battery Charger Cables: (Cable for indication added)

H. No.	Description	Cable Size (in mm²)	Detailed Drg./Spec.	Length (in mm)	From	То	Ferrule No.	Remarks
	4x1.5 sq.mm		EDTS-132,				32 04 05.21	RBC Ok
1	multi-core E-	4 x 1.5	Rev-C,	15500		SBC	42 02 04.03	(Wh, Br)
14C	Beam Cable		Am-3,		RBC .		32 04 05.22	
1.40	600/1000V colour Wh, Br, Blk, GNYE	7 7 1.3	Corr-1 (DS-3)				42 02 10.03	Battery Not healthy (Blk, GNYE)

2.2 A) Thin Walled Flexible Elastomeric Cables with Copper Conductors & Accessories:Item added:

S. N.	Description		Cable Size	Detail Drg./Spec.	QPC	Remarks
35	Flexible Flame-retardant performance polyolefin shrinkable tubing	high heat		EDML-176, Rev-0	1	Loose Supply

2.2 B) Note:-

Clause No. (v) shall be read as:-

In case of non availability of any specific color cable, Grey/Black color cable may be used after having prior approval from office of the PCEE/RCF and identification shall be made with colored, zero halogen fire retardant heat shrinkable sleeves of M/s TYCO/Phoenix/Panduit/MV or any other approved make up-to 100 mm length.

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4.0 Technical Requirements:

- e) STR No. for preparation of Ready-made Harness shall be read as RCF/EL/0015-2020, Rev-C.
- f) General Requirements shall be as per RDSO Spec. No. RDSO/PE/O/0008-2005, Rev-0 (Code of Practice for Prevention of Fire in AC Coaches) and fire retardant sleeve shall be provided (as per clause no. 5.4 of the specification) at the termination point of the cable.

5.10 Table for Tests:-

Test for Harnesses at firm's premises.

S. No.	Tests	Remarks
10	Test for Rigid PVC Conduits to .	Stands Deleted for Type, Routine &
	IS:9537 (Part-3)	Acceptance test.

5.10 a) Details of Testing:-

S. No.-2 i.e. Acceptance Test for PVC Conduit to IS:9537 stands Deleted.

- 6.0 Approvals:-
- **6.1** Deleted.

6.3 Revised as under:

"Firm supplying the Coach Harness for first time shall supply one set of coach harness for validation on coach before bulk supply".

8.0 Packing and Traceability:-

Clause No. (i) shall be read as:-

Packing of Harnesses shall be done as per Packing Instructions mentioned in the relevant PO's placed on the firm. Harnesses shall be bunched together and shall be supplied as single unit per coach. Each harness shall be duly bunched individually and legibly marked as per details specified in the specification on it for Under-frame and Roof Arrangement.

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Corrigendum - 6 to Specification no. - EDTS 254, Rev J, Corr-1,2,3,4,5

This corrigendum is issued to Specification no. EDTS 254, Rev. 'J', Corr-1,2,3,4,5 for 'Harness of Under frame and Roof arrangement for LHB EOG AC-First AC Coaches' to change the Scope of Supply as follows:

Clause 2.0 (i) shall be read as:

2.0 Scope of supply:

(i) Procurement of the item specified in BOM of the specification shall be from RDSO/RCF/ICF approved vendors mentioned in the latest version of the vendor directory issued by RCF/ICF/RDSO respectively, however the procurement of e-beam Cables & Cable Management System shall be done from RDSO 'Approved Vendors' for minimum 80% quantity of total quantity and balance quantity up-to 20% from 'Developmental Vendors' as mentioned in latest version of the vendor directory issued by RDSO.

Based on the procurement of various sizes of **e-beam Cables & Cable Management System** from either Approved or Developmental Sources, the cable harness shall be categorized as under:

- Category-A:

Cable Harness with Approved Source of e-beam Cables & Cable

Management System (80% min.)

Category-B:

Cables Harness with Developmental source of e-beam Cables &

Cable Management System (20% min.)

Category-B type of cable harness may be supplied with e-beam cables & cable management system procured from Developmental Sources, however in no case Category-A type shall be supplied with e-beam cables & cable management system procured from Developmental Sources.

Firm shall maintain a record according to the above classification and offer to RITES/Inspecting Official for inspection in format EDF 0001, Ver. 2.0 (or Latest) annexed with the specification.

Note:-

The above mentioned criteria is not applicable to Cable Management System of size NW10 & NW70 as the Approved Sources are less than three or only Developmental Sources are there. Therefore, the procurement of size NW10 & NW70 (if applicable) may be done for such sources subject to past performance, capacity, delivery requirements, quality under procurement, nature of item, outstanding order etc. to be treated as Bulk Orders.

Corr-1,2,3,4,5 Spec. No.	·			2/3	+ 50	
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Name of Firm

RAIL COACH FACTORY, KAPURTHALA INDIAN RAILWAY

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INSPECTION FORMAT FOR SUPPLY OF CABLE HARNESS

To be maintained by the cables harness manufacturer at his premises and to be signed by the Inspecting official during inspection against each Purchase Order

P.O.	P.U. No. ;					
Desc	ription	;				
Specification		:	***************************************			· · · · · · · ·
e-be	am Cables	· ·				
Sr. No.	Date of Inspection	Total ordered quantity	Lot offered	Category-A Qty. (With Cables from Approved sources 80% Min	Category-B Qty. (With Cables from developmental sources (Up to 20%)	Sign of Inspecting Engineer
			<u> </u>			
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Cable Management System

Sr. No.	Date of Inspection	Total ordered quantity	Lot offered	Category-A Qty. (With Cables from Approved sources 80% Min	Category-B Qty. (With Cables from developmental sources (Up to 20%)	Sign of Inspecting Engineer

Corr-7 to Specification No. EDTS-254, Rev-j, Corr-1, 2, 3, 4, 5, 6

This Corrigendum is issued to specification no.EDTS-254,Rev-j,Corr-6 for "Ready-made Harness of Roof and Under-frame arrangement for LHB EOG FIRST AC Coaches" in order to incorporate following changes:-

Clause 2.1(a): Bill of material

A) THIN WALLED FELEXIBLE ELASTOMERIC CABLES WITH COPPER CONDUCTORS & ACCESSORIES

Details of Item at S.No. 5,25,26,29,30,31,45 and 46has been modified and 31A,31B added.

S.NO.	DESCRIPTION	CABLE	DETAIL	QPC/COACH	QPC/COACH	REMARKS/
5.	Thin walled flexible elastomeric cable with copper conductors colour "GNYE" upto 750 V.	SIZE mm² 70	ELRS/SPEC/ ELC/0019 REV.4.	Previous 7.1 mt	Revised 9.6 mt	For feeder earthing
25	Thin walled flexible elastomeric cable with copper conductors colour "WHITE" upto 750 V.	25	ELRS/SPEC/ ELC/0019 REV.4.	45mt	25mt	Under slung RBC
26	Thin walled flexible elastomeric cable with copper conductors colour "CHOCOLATE" upto 750 V.	25	ELRS/SPEC/ ELC/0019 REV.4.	27mt	20mt	Under slung RBC
29	Thin walled flexible elastomeric cable with copper conductors colour "RED" upto 750 V.	6	ELRS/SPEC/ ELC/0019 REV.4.	15mt	12mt	Under slung RBC
30	Thin walled flexible elastomeric cable with copper conductors colour "YELLOW" upto 750 V.	6	ELRS/SPEC/ ELC/0019 REV.4.	15mt	12mt	Under slung RBC
31	Thin walled flexible elastomeric cable with copper conductors colour "BLUE" upto 750 V.	6	ELRS/SPEC/ ELC/0019 REV.4.	15mt	12mt	Under slung RBC
31A	Thin walled flexible elastomeric cable with copper conductors colour "BLACK" upto 750 V.	6	ELRS/SPEC/ ELC/0019 REV.4.	-	12mt	Under slung RBC
31B	Thin walled flexible elastomeric cable with copper conductors colour "GNYE" upto 750 V.	6	ELRS/SPEC/ ELC/0019 REV.4.	-	12mt	Under slung RBC

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45	Thin walled flexible elastomeric cable with copper conductors colour "CHOCOLATE" upto 750 V.	1.5	ELRS/SPEC/ ELC/0019 REV.4.	63mt	39mt	Fuse box +ve
46	4x1.5 sq.mm multi-core E- Beam Cable 600/1000V colour Wh,Br,Blk,GNYE	4x1.5	EDTS- 132,Rev- C,AM- 3,Corr- 1(DS-3)	54.5 mt	51 mt	Pump cables & RBC

2.1 (b). Preparation/Bunching of harness:

The preparation/bunching shall be done as per under given detail for Under Frame wiring.

III): PRE-COOLING CABLES

Details of Item at S.No. 3 and 3A has been modified.

H.No.	No. & size of cable	Colour code	Previous length (in mm)	Revised length (in mm)	Ferrules marking	Route	Remarks
3	4x25 mm ²	R,Y,B,Blk	10000	9000	33 01 01.01	46	Pre-cooling
	upto 750 V				33 01 02.01		socket to SBC
					33 01 03.01		(NW-36=6M)
					33 01 04.01		
3A	4x25 mm ²	R,Y,B,Blk	24000	25000	33 01 06.01	45	Pre-cooling
	upto 750 V				33 01 07.01		socket to SBC
					33 01 08.01		(NW-36=21.5M)
					33 01 04.02		

VI) DC CIRCUIT CABLES

Details of Item at S.No. 6C,6D and 6F has been modified.

H.No.	No. & size of cable	Colour code	Previous length (in mm)	Revised length (in mm)	Ferrules marking	Route	Remarks
6C	2x1.5 mm ² upto 750 V	Ch	12000	12000	32 02 01.01 32 02 03.01	37	Bat. Fuse box +ve to SBC (NW-23=9M)
6D	1x25 mm ² upto 750 V	W	15000	10000	32 01 11.01	40	Bat.Charger to Bat. Fuse box –ve (NW-23=9M)
6F	1x10 mm ² upto 750 V	W	15000	15000	32 02 06	42	Bat. Fuse box -ve to SBC
	2x1.5 mm ² upto 750 V	W	16000	16000	32 02 02.01 32 02 04.01		(NW-17=13M)

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X): EARTHING CABLES

Quantity of Earthing cable to size 70 mm²upto 750 V. colour GNYE and length 1250 mm has been changed from 2 nos. to 4 nos.

XIII): UNDER SLUNG REGULATED BATTERY CHARGER CABLES

14C merged to 14B and details of Item at S.No. 14,14A and 14B has been modified

H.No.	Cable size	Colour	Ferrule No.	Length	Length	From	То	Remarks
ļ				Previous	Revised			
ļ				(in mm)	(in mm)			
14	25 mm² upto 750 V	W	33 01 12.01	15000	15000	RBC	SBC	RBC TO SBC
			, , , , , , , , , , , , , , , , , , , ,]			(NW-17=12M)
14A	25 mm² upto 750 V	CH	33 01 14.01	15000	7500	RBC	SBC	RBC TO SBC
						<u> </u>		(NW-17=8M)
14B	6 mm² upto 750 V	R	33 09 01.01	15000	12000	SBC	RBC	
ŀ	6 mm² upto 750 V	Υ	33 10 01.01	15000	12000	SBC	RBC	
	6 mm² upto 750 V	В	33 11 01.01	15000	12000	SBC	RBC	
	6 mm² upto 750 V	BLACK	33 12 01.01	-	12000	SBC	RBC	
	6 mm² upto 750 V	GNYE	33 13 01.01	-	12000	SBC	RBC	SBC TO RBC
	4x1.5 sq.mm multi-	Wh	32 04 05.21	15500	12000	RBC	SBC	(NW-23=10M)
	core E-Beam Cable	Br	42 02 04.03	}	1		l	(1444-25-10141)
	600/1000V	DII.	22.04.05.22	-			•	
	EDTS-132,Rev-C,AM-	Blk	32 04 05.22		ł			
	3,Corr-1(DS-3)	GNYE	42 02 10.03			}		
		<u> </u>						

2.2. TYPE-2: BILL OF MATERIAL LHB EOG FIRST AC ROOF WIRING:

A) THIN WALLED FELEXIBLE ELASTOMERIC CABLES WITH COPPER CONDUCTORS & ACCESSORIES:-

Details of Item at S.No. 6,7 and 19 has been modified.

S.No.	DESCRIPTION	CABLE SIZE	DETAIL DRG/SPEC	QPC/COACH PREVIOUS	QPC/COACH REVISED	REMARKS LOCATION
6.	Thin walled flexible elastomeric cable with copper conductors colour "WHITE" upto 750 V	1.5 mm²	ELRS/SPEC/ELC/ 0019 REV.4	629mt	570mt	Inside coach
7.	Thin walled flexible elastomeric cable with copper conductors colour "CHOCOLATE" upto 750 V	1.5 mm²	ELRS/SPEC/ELC/ 0019 REV.4	1147mt	966mt	Inside coach
19.	PVC RIGID Conduit Dia 40 mm	•	IS:9537- 83,PE,CL 5.1	160 Mt	148 Mt	Inside coach

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Annexure-B

Harness No. 62,62A,62B and 62C has been modified.

H.No.	Cable size	Colour	Ferrule no.	Existing length	Revised length
62	1.5 mm ²	Υ	33 07 16 01	8000 mm	8000 mm
	1.5 mm ²	BLK	33 07 17 01	8000 mm	8000 mm
	1.5 mm ²	GNYE	33 07 18 01	8000 mm	8000 mm
62A	1.5 mm ²	Υ	33 07 16 02	10000 mm	10000 mm
	1.5 mm ²	BLK	33 07 17 02	10000 mm	10000 mm
	1.5 mm ²	GNYE	33 07 18 02	10000 mm	10000 mm
62B	1.5 mm ²	Υ	33 07 16 03	17000 mm	17000 mm
	1.5 mm ²	BLK	33 07 17 03	17000 mm	17000 mm
	1.5 mm ²	GNYE	33 07 18 03	17000 mm	17000 mm
62C	1.5 mm ²	Υ	33 07 16 04	26000 mm	26000 mm
	1.5 mm ²	BLK	33 07 17 04	26000 mm	26000 mm
	1.5 mm ²	GNYE	33 07 18 04	26000 mm	26000 mm

PA system wiring harness no.67 to 67 I for speaker harness has been deleted.

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Corrigendum-8 (शृद्धिपत्र सं-8)

Corrigendum-8 to Specification No. EDTS-254, Rev-J, Corr. - 1 to 7

This Corrigendum is issued to Specification No. EDTS-254, Rev-J, Corr. - 1 to 7 for "Harness of Under-frame and Roof Arrangement for LHB EOG First AC Coaches" in order to incorporate following changes:-

1. <u>Clause No. 2.1 a)</u> Bill of Material (for Under-frame is modified as follows)

A) Thin Walled Flexible Elastomeric Cables With Copper Conductors & Accessories:-

SN	Description	Cable Size	Detail	Existing	Revised	Remarks/
	,	(mm²)	Drg./Spec.	QPC	QPC	Location
41	Thin walled flexible elastomeric cables with copper cond. color 'RED' upto 750V	1.5	ELRS/SPEC/ELC/ 0019 (Latest)	132 mtr.	171 mtr.	CP and Pump wiring
42	Thin walled flexible elast. cables with copper cond. color YELLOW' upto 750V	1.5	ELRS/SPEC/ELC/ 0019 (Latest)	132 mtr.	171 mtr.	CP and Pump wiring
43	Thin walled flexible elastomeric cables with copper cond. Color 'BLUE' upto 750V	1.5	ELRS/SPEC/ELC/ 0019 (Latest)	132 mtr.	171 mtr.	CP and Pump wiring
45A	Thin walled flexible elast. cables with copper cond. Color 'GNYE' upto 750V	1.5	ELRS/SPEC/ELC/ 0019 (Latest)		39 mtr.	Pump Cables (New Added)
46	4x1.5 sq.mm multicore e-beam cable 600/1000V color Wh,Br,Blk, GNYE	4x1.5	EDTS-132, Rev- C, Am-3, Corr-1 (DS-3)	51 mtr.	12 mtr.	RBC ok & Battery not Healthy

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Corrigendum-8 (शृद्धिपत्र सं.-8)

2. Clause No. 2.1 b) Preparation/Bunching of Harness:

The preparation/bunching shall be done as per under given detail for Under-frame wiring

V) Pump Cables

Н.	Nos., size and C	olor of Cable	Length	Ferrule	Route	Remarks
No.	Existing	Revised	(in mm)	Marking		
5	4x1.5 mm² multicore	1.5 mm ² , 4 Nos.	19500	33 08 02.02,	50	Pump
	(DS-3) Color	e-beam cable		33 08 04.02,		Cables &
	(Wh, Br, Blk, GNYE)	upto 750V Color		33 08 06.02,		Controller
		(R,Y,B,GNYE)		33 08 07.02		Cables
	4x1.5 mm² multicore	1.5 mm ² , 4 Nos.	19500	33 08 02.02,		(NW-29 =
	(DS-3) Color	e-beam cable		33 08 04.02,		15.5 M)
	(Wh, Br, Blk, GNYE)	upto 750V Color		33 08 06.02,		
		(R,Y,B,GNYE)		33 08 07.02		
1	2x1.0 mm² multicore	Same	19500	33 08 10.01,		No Change
	(DS-4) (Wh, Br)	·		33 08 11.01		
	2x1.0 mm² multicore	Same	19500	33 08 10.01,		
	(DS-4) (Wh, Br)			33 08 11.01		

3. Clause No. 2.2 A) Bill of Material for LHB EOG First AC Roof Wiring:-

A) THIN WALLED FLEXIBLE ELASTOMERIC CABLES WITH COPPER CONDUCTORS & ACCESSORIES:-

S.No.	Description	Cable	Detail	Q	PC	Remarks/
		Size	Drg./Spec.	Existing	Revised	Location
5.	Thin walled flexible	1.5	ELRS/SPEC/ELC/	545	581.8	Inside
	elastomeric cables with copper conductors color 'GNYE' upto 750V	mm²	0019 (Latest Revision)	Mtrs.	Mtrs.	Coach
6.	Thin walled flexible elastomeric cables with copper conductors color 'White' upto 750V	1.5 mm²	ELRS/SPEC/ELC/ 0019 (Latest Revision)	570 Mtrs.	557 Mtrs.	Inside Coach

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Corrigendum-8 (शुद्धिपत्र सं.-८)

7.	Thin walled flexible	1.5	ELRS/SPEC/ELC/	966	953	Inside
	elastomeric cables with	mm²	0019 (Latest	Mtrs.	Mtrs.	Coach
	copper conductors color		Revision)			
	'Chocolate' upto 750V					

4. Clause No. 2.2 B)

Note (Added):-

- 1. Conduit Arrangement for Jumper & Branch Wiring shall be made as per Drawing No. SKED-956.
- 2. Wiring for Lavatory, AEL, WC Light, PACIL Circuits etc. on both sides shall also be properly segregated into 02 nos. different Polyamide flexible Conduits and provisioning of Cable Jackets (i.e. 110V DC +VE cables in one conduit and 110V DC -VE/Earth Cables in other).
- 3. Coach Alteration Instruction (CAI) Sheet to CAI No. ED/CAI/037 for "Segregation of 110V DC (+VE) and (-VE) at all levels, and provisioning of Cage Clamp terminals with Glass fuses for Enhanced Fire Safety in LHB EOG FAC Coaches" shall also be referred.

5. Clause No. 5.10 Table for Tests:

Following test for Rigid PVC Conduits to IS:9537 (Part-3) which was deleted in Corr-5 of the specification is hereby again added and is reproduced as follows:-

Test for Harnesses at firm's premises:

SN	Tests	Type Test	Routine Test	Acceptance Test
10	Test for Rigid PVC Conduits to IS:9537 (Part-3)	YES	YES	YES

6. Clause No. 5.10 a) Details of Testing

Following acceptance test for Rigid PVC Conduits to IS:9537 (Part-3) which was deleted in Corr-5 of the specification is hereby again added and is reproduced as follows:-

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Corrigendum-8 (शुद्धिपत्र सं.-8)

2	Acceptance test for PVC conduit to IS: 9537								
SN	Details of Testing	Remarks of Rites Inspecting official							
а	Checking of dimensions as clause 7 of IS.								
b	Bending test (at room temperature) as per clause 9.2 of IS spec.								
С	Compression test as per cl. 9.3 of IS spec (5 sample in prototype and 2 samples in acceptance /routine)								
d	Collapse test as per cl. 9.5 of IS spec (One sample)								
е	Resistance to burning as per cl. 11 of IS spec. (2 samples)								
f	Electrical characteristics as per cl. 12 of IS spec.								

7. Clause No. 8.0 Packing and Traceability

Reference Clause 8.0(i) for Packing Instructions Stands Deleted.

8. <u>Clause No. 9.0</u> Enclosures

SN-9 added as follows:-

S. No.	Drawing/Spec. No.	Description						
9	SKED-956, Alt-Nil	Conduit Arrangement for LHB EOG First AC Coaches						
		(Phase Segregation for 110V DC +VE & -VE)						

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Corrigendum-8 (शुद्धिपत्र सं.-८)

Annexure-B

1. Harness No. 22B, 23B, 24B, 25B, 26B, 27B, 28B & 29B is modified as follows:-

HAR	CABLE SIZE	COLOR	FERRULE	LENGTH	FR	MC	Т	O ,	REMARKS		
NO.			NO.	(in mm)	LOC.	TER.	LOC.	TER.	4		
						NO.		NO.			
		HARNE	SS UPTO LIGH	TS/LIMIT S	WITCHE	S (CAB	N-1)				
	1.5 SQ.MM	CH	AL32 04 05	4600	B1X1	3	4353	1	LS		
22B	1.5 SQ.MM	W	AL43 01 02	4600	B1X1	4	4353	2	(PE WIRE ADDED)		
220	1.5 SQ.MM	BLK	AL43 01 03	4600	B1X1	11	4353	3			
	1.5 SQ.MM	GNYE	AL43 01 04	4600	B1X1	9	43S3	4	ADDED		
	HARNESS UPTO LIGHTS/LIMIT SWITCHES (CABIN-2)										
	1.5 SQ.MM	CH	AL32 04 05	4600	B2X1	3	4353	1	LS		
23B	1.5 SQ.MM	W	AL43 01 02	4600	B2X1	4	4353	2			
230	1.5 SQ.MM	BLK	AL43 01 03	4600	B2X1	11	43S3	3	(PE WIRE		
	1.5 SQ.MM	GNYE	AL43 01 04	4600	B2X1	9	4353	4	ADDED)		
	·	HARNE	SS UPTO LIGH	TS/LIMIT S	NITCHE	S (CABI	N-3)				
	1.5 SQ.MM	СН	AL32 04 05	4600	B3X1	3	43S3	1	LS (PE WIRE ADDED)		
24B	1.5 SQ.MM	W	AL43 01 02	4600	B3X1	4	4353	2			
240	1.5 SQ.MM	BLK	AL43 01 03	4600	B3X1	11	4353	3			
	1.5 SQ.MM	GNYE	AL43 01 04	4600	B3X1	.9	43S3	4			
		HARNE	SS UPTO LIGH	TS/LIMIT S	NITCHE	S (CABI	N-4)				
-	1.5 SQ.MM	СН	AL32 04 05	4600	B4X1	3	43S3	1	1.6		
25B	1.5 SQ.MM	W	AL43 01 02	4600	B4X1	4	4353	2	LS		
230	1.5 SQ.MM	BLK	AL43 01 03	4600	B4X1	11	43S3	3	(PE WIRE		
	1.5 SQ.MM	GNYE	AL43 01 04	4600	B4X1	9	43S3	4	ADDED)		
		HARNE	SS UPTO LIGH	TS/LIMIT S	NITCHE	S (CABI	N-5)				
	1.5 SQ.MM	СН	AL32 04 05	4600	B5X1	3	4353	1			
26B	1.5 SQ.MM	W	AL43 01 02	4600	B5X1	4	4353	2	LS (PE WIRE		
205	1.5 SQ.MM	BLK	AL43 01 03	4600	B5X1	11	4353	3	ADDED)		
	1.5 SQ.MM	GNYE	AL43 01 04	4600	B5X1	9	43S3	4	ADDED		
		HARNE	SS UPTO LIGH	TS/LIMIT S	VITCHE	S (CABI	N-6)				
	1.5 SQ.MM	СН	AL32 04 05	4600	B6X1	3	43S3	1	1.0		
27B	1.5 SQ.MM	W	AL43 01 02	4600	B6X1	4	4353	2	LS /DE MUDE		
2/D	1.5 SQ.MM	BLK	AL43 01 03	4600	B6X1	11	4353	3	(PE WIRE ADDED)		
	1.5 SQ.MM	GNYE	AL43 01 04	4600	B6X1	9	4353	4	ADDED		

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	HARNESS UPTO LIGHTS/LIMIT SWITCHES (CABIN-7)										
	1.5 SQ.MM	CH	AL32 04 05	4600	B7X1	3	4353	1	LS		
	1.5 SQ.MM	W	AL43 01 02	4600	B7X1	4	4353	2	(PE WIRE		
28B	1.5 SQ.MM	BLK	AL43 01 03	4600	B7X1	11	4353	3	ADDED)		
	1.5 SQ.MM	GNYE	AL43 01 04	4600	B7X1	9	43S3	4	ADDLD		
		HARNE	SS UPTO LIGH	TS/LIMIT S	WITCHE:	S (CAB	IN-8)				
•	1.5 SQ.MM	CH	AL32 04 05	4600	B8X1	3	43S3	1	LS		
200	1.5 SQ.MM	W	AL43 01 02	4600	B8X1	4	43S3	2	(PE WIRE		
29B	1.5 SQ.MM	BLK	AL43 01 03	4600	B8X1	11	43S3	3	ADDED)		
	1.5 SQ.MM	GNYE	AL43 01 04	4600	B8X1	9	4353	4	עסטנטן		

2. Harness No. 63 & 63A is modified as follows:-

1145			FEDDURE		FROM		ТО		
NO.	CABLE SIZE	COLOR	FERRULE NO.	LENGTH	LOC.	TER. NO.	LOC.	TER. NO.	REMARKS
			PACIL	LIGHTING C	IRCUIT				
	1.5 SQ.MM	Υ	52 02 07.01	5000	+S1X1	112	+B39E1	1	
63	1.5 SQ.MM	BLK	52 02 08.01	5000	+S1X1	113	+B39E1	2	PACIL-1
	1.5 SQ.MM	GNYE	43 02 PE.27	5000	+S1X1	PE	+B39E1	PE	
	1.5 SQ.MM	· Y	52 02 07.02	8000	+S1X1	112	+B40E1	1	
63A	1.5 SQ.MM	BLK	52 02 08.02	8000	+S1X1	113	+B40E1	2	PACIL-2
	1.5 SQ.MM	GNYE	43 02 PE.28	8000	+S1X1	PE	+B40E1	PE	

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