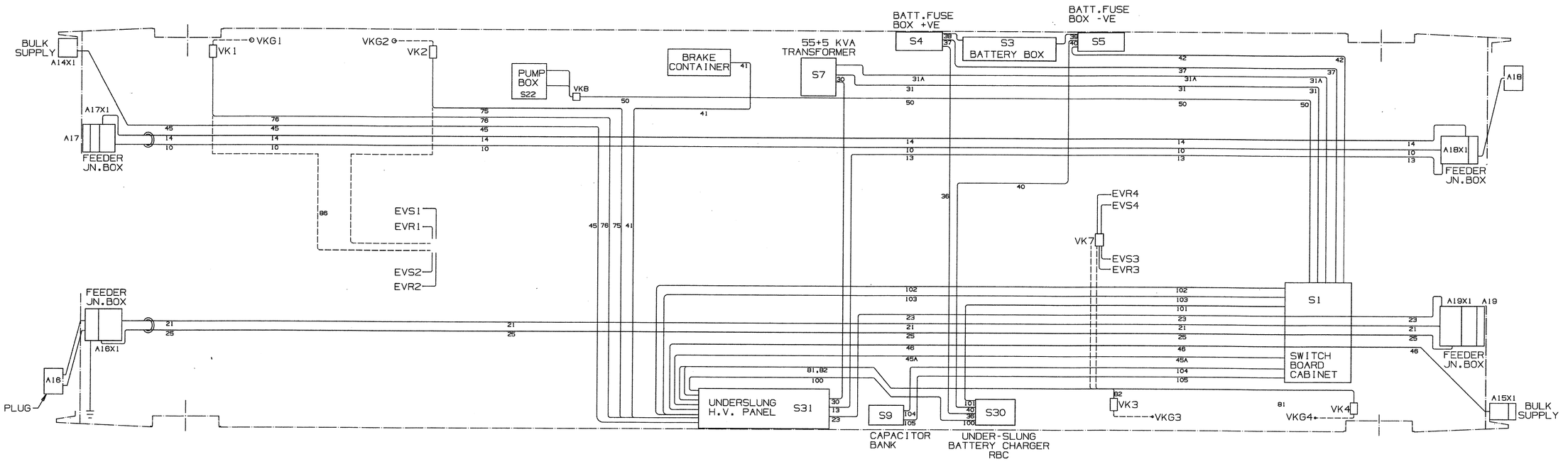
ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY



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WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES:	LA70439 ALT NIL		
WEIGHT	FILE	Z:\la70439a.prt (2D)				
NIL KG						
S.AREA						
NIL M^2						
~~LENGTH/DIA~~						
NIL M						
~~WIDTH/THICK.~~						
NIL M						
HEIGHT						
NIL M						

BLOCK, WIRING DIAGRAM & HARNESS CHART OF UNDERFRAME FOR LHB EOG AC FIRST CLASS COACH

RAIL COACH FACTORY, KAPURTHALA

रेलकोच फैक्टरी कपूरथला

IRS

SCALE | SSE/ED | CHD | DRN

REF.DRG.No. NIL

PL NO. NIL

DRG.NO. LA70439

ALT. a | SIZE A1 | SHEET 1/3

SEE/D&D | DY.CEE/D&D

ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID.

FOR UNTOLERANCED DIMENSIONS REFER MDG0008

DETAIL DRGS STARTING WITH "LI" ARE INTERNAL REFERENCE LISTS ONLY AND ARE NOT FOR ISSUE.

DATE OF FIRST ISSUE 04/08/2022

ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY

HARNESS CHART

FROM		TO		ROUTE NO.	CABLE SIZE	NO.OF CABLE	LENGTH (IN MTRS)	COLOUR OF CABLE	FERRULE NOS.	CONDUIT SIZE
LOCATION	CRIMPING SOCKET	LOCATION	CRIMPING SOCKET							
A17X1	150 SQ.MM. /M16 (3-NOS.)	A16X1	150 SQ.MM. /M16 (3-NOS.)	10	150	03	24.5	R,Y,B	120101.02,120104.02,120107.02	---
	95 SQ.MM. /M10 (1-NO.)		95 SQ.MM. /M10 (1-NO.)	10	95	01	24.5	BLK	120110.02	
	---		---	14	2.5	02	25.5	CH,CH	4601.01,4601.02	NW-17
S31	50 SQ.MM. /M12 (4-NOS.)	A16X1	50 SQ.MM. /M16 (3-NOS.)	13	50	03	16.0	R,Y,B	120101.01,120104.01,120107.01	NW-48
			50 SQ.MM. /M10 (1-NO.)	13	50	01	16.0	BLK	120110.01	
A16X1	150 SQ.MM. /M16 (3-NOS.)	A19X1	150 SQ.MM. /M16 (3-NOS.)	21	150	03	24.5	R,Y,B	120115.02,120118.02,120121.02	---
	95 SQ.MM. /M10 (1-NO.)		95 SQ.MM. /M10 (1-NO.)	21	95	01	24.5	BLK	120124.02	
	---		---	25	2.5	02	25.5	CH,CH	4601.03,4601.04	NW-17
S31	50 SQ.MM. /M12 (4-NOS.)	A19X1	50 SQ.MM. /M16 (3-NOS.)	23	50	03	15.0	R,Y,B	120115.01,120118.01,120121.01	NW-48
			50 SQ.MM. /M10 (1-NO.)	23	50	01	15.0	BLK	120124.01	
S1		A15X1		46	25	04	18.0	R,Y,B,BLK	330101.01,330102.01,330103.01,330104.01	NW-36
S1		A14X1		45	25	04	19.0	R,Y,B,BLK	330106.01,330107.01,330108.01,330104.02	NW-36
S31		S1		45A	25	04	14.0	R,Y,B,BLK	330125.01,330126.01,330127.01,330128.02	NW-36
S31	---	S8 (BRAKE CONTAINER)	---	41	1.5	02	15.0	W,CH	230101.02,230103.01	NW-17
S31	25 SQ.MM. /M8 (4-NOS.)	S7	25 SQ.MM. /M8 (4-NOS.)	30	25	04	8.0	R,Y,B,BLK	120112.02,120113.02,120114.02,120111.02	NW-29
S7	50 SQ.MM. /M8 (4-NOS.)	S1	50 SQ.MM. /M8 (4-NOS.)	31	50	04	15.0	R,Y,B,BLK	120208.01,120207.01,120208.01,120209.01	NW-36
	4 SQ.MM. /M8 (4-NOS.)		---	31C	4	04	19.0	R,Y,B,BLK	120206.03,120207.03,120208.03,120209.03	NW-17
S1	---	S22	---	50	1.5	08	19.5	R,Y,B,GNYE R,Y,B,GNYE	330802.02,330804.02,330806.02,330807.02 330813.02,330815.02,330817.02,330818.02	NW-29
					2X1.0	02	19.5	Br,W	330810.01,330811.01,330819.01,330820.01	
S22	---	PUMP-1	1.5 SQ.MM. /M5 (4-NOS.)	---	1.5	04	1.5	R,Y,B,GNYE	330802.03,330804.03,330806.03,330807.03	NW-12
			1.5 SQ.MM. /M5 (2-NOS.)		2X1.0	01	1.5	Br,W	330810.02,330811.02	
S22	---	PUMP-2	1.5 SQ.MM. /M5 (4-NOS.)	---	1.5	04	1.5	R,Y,B,GNYE	330813.03,330815.03,330817.03,330818.03	NW-12
			1.5 SQ.MM. /M5 (2-NOS.)		2X1.0	01	1.5	Br,W	330819.02,330820.02	
S31	---	S30	---	100	6.0	05	7.0	R,Y,B, BLK,GNYE	33 09 01.01,33 10 01.01,33 11 01.01, 33 12 01.01,33 13 01.01	NW-23
S1	---	S30	---	101	4X1.5	01	12.0	W,Br, BLK,GNYE	32 04 05.21,42 02 04.03,32 04 05.22, 42 02 10.03	
	10 SQ.MM. /M8 (1-NO.)		---		10	01	12.0	CH	33 01 14.01	NW-17
S3	10 SQ.MM. /M8 (1-NO.)	S4	10 SQ.MM. /M8 (1-NO.)	38	10	01	02.5	CH	320109	NW-17
S3	10 SQ.MM. /M8 (1-NO.)	S5	10 SQ.MM. /M8 (1-NO.)	39	10	01	02.5	W	320108	NW-17
S1	---	S4	---	37	1.5	02	14.5	CH,CH	320201.01,320203.01	NW-23
S4	10 SQ.MM. /M8 (1-NO.)	S30	---	36	10	01	7.0	CH	320110.01	NW-17
S5	10 SQ.MM. /M8 (1-NO.)	S30	---	40	10	01	8.0	W	320111.01	NW-17
S1	10 SQ.MM. /M8 (1-NO.)	S5	10 SQ.MM. /M8 (1-NO.)	42	10	01	9.0	W	320206	NW-23
	---		---		1.5	02	9.0	W,W	320202.01,320204.01	
S1		VK1		76	3X1.0+SHIELD	01	25.0	W,Br,BLK	230301.02,230302.02,230303.02	NW-17
S1		VK2		75	3X1.0+SHIELD	01	23.0	W,Br,BLK	230304.02,230305.02,230306.02	NW-17
S1		VK3		82	3X1.0+SHIELD	01	09.0	W,Br,BLK	230307.02,230308.02,230309.02	NW-17
S1		VK4		81	3X1.0+SHIELD	01	05.0	W,Br,BLK	230310.02,230311.02,230312.02	NW-17
VK4		EVS4/EVR4		87	3X1.0+SHIELD	01	10.0	W,Br,BLK	230214.01,230215.01,230205.10	NW-12
VK3		EVS3/EVR3		87	3X1.0+SHIELD	01	10.0	W,Br,BLK	230210.01,230211.01,230205.08	NW-12
VK2		EVS2/EVR2		86	3X1.0+SHIELD	01	20.0	W,Br,BLK	230206.01,230207.01,230205.06	NW-12
VK1		EVS1/EVR1		86	3X1.0+SHIELD	01	20.0	W,Br,BLK	230201.01,230202.01,230205.04	NW-12
A16X1	150 SQ.MM. /M16 (3-NOS.)	A16	---		150	03	3.0	R,Y,B	IN SCOPE OF FEEDER JUNCTION BOX /IV COUPLER SUPPLY	---
	95 SQ.MM. /M10 (1-NO.)		---		95	01	3.0	BLK		
	---		---		2.5	02	3.0	CH,CH		
A17X1	150 SQ.MM. /M16 (3-NOS.)	A17	---		150	03	0.5	R,Y,B	IN SCOPE OF FEEDER JUNCTION BOX /IV COUPLER SUPPLY	---
	95 SQ.MM. /M10 (1-NO.)		---		95	01	0.5	BLK		
	---		---		2.5	02	0.5	CH,CH		
A18X1	150 SQ.MM. /M16 (3-NOS.)	A18	---		150	03	3.0	R,Y,B	IN SCOPE OF FEEDER JUNCTION BOX /IV COUPLER SUPPLY	---
	95 SQ.MM. /M10 (1-NO.)		---		95	01	3.0	BLK		
	---		---		2.5	02	3.0	CH,CH		
A19X1	150 SQ.MM. /M16 (3-NOS.)	A19	---		150	03	0.5	R,Y,B	IN SCOPE OF FEEDER JUNCTION BOX /IV COUPLER SUPPLY	---
	95 SQ.MM. /M10 (1-NO.)		---		95	01	0.5	BLK		
	---		---		2.5	02	0.5	CH,CH		
S1	---	S9 (CP-1)	---	104	1.5	03	13.0	R,Y,B	33 03 01.01, 33 03 01.02, 33 03 01.03	NW-23
S1	---	S9 (CP-2)	---		1.5	03	13.0	R,Y,B	33 03 01.04, 33 03 01.05, 33 03 01.06	
S1	---	S9 (CP-3)	---		1.5	03	13.0	R,Y,B	33 03 01.07, 33 03 01.08, 33 03 01.09	
S1	---	S9 (CP-4)	---		1.5	03	13.0	R,Y,B	33 03 01.10, 33 03 01.11, 33 03 01.12	
S1	---	S9 (CP-5)	---		1.5	03	13.0	R,Y,B	33 03 01.13, 33 03 01.14, 33 03 01.15	
S1	---	S9 (SPARE)	---		1.5	03	13.0	R,Y,B		
S1	---	S9 (CP-6)	---	105	1.5	03	13.0	R,Y,B	33 04 02.01, 33 04 02.02, 33 04 02.03	NW-23
S1	---	S9 (CP-7)	---		1.5	03	13.0	R,Y,B	33 04 02.04, 33 04 02.05, 33 04 02.06	
S1	---	S9 (CP-8)	---		1.5	03	13.0	R,Y,B	33 04 02.07, 33 04 02.08, 33 04 02.09	
S1	---	S9 (CP-9)	---		1.5	03	13.0	R,Y,B	33 04 02.10, 33 04 02.11, 33 04 02.12	
S1	---	S9 (CP-10)	---		1.5	03	13.0	R,Y,B	33 04 02.13, 33 04 02.14, 33 04 02.15	
S1	---	S9 (SPARE)	---		1.5	03	13.0	R,Y,B		

HARNESS CHART

FROM	TO	ROUTE NO.	CABLE SIZE	CABLE RATING	NO.OF CABLE	LENGTH (IN MTRS)	COLOUR OF CABLE	FERRULE NOS.	CONDUIT SIZE
S1	S31	102	1.5	1.8/3.0 KV	03	18.0	R,Y,B	120103.04,120106.04,120109.04 (FOR MMR-NET1)	NW-17
			1.5	1.8/3.0 KV	03	18.0	R,Y,B	120117.04,120120.04,120123.04 (FOR MMR-NET2)	
			1.5	1.8/3.0 KV	04	18.0	R,Y,B,Blk	120204,120204,120205,1202.01.03 (FOR AMMETER CIRCUIT)	
		103	1.5	UPTO 750V	02	18.0	Y,Y	L-NET-1, 320802.01 (FOR CONTROL NET-1)	NW-23
			1.5	UPTO 750V	02	18.0	B,B	MMR-NET-1, N-NET-1 (FOR CONTROL NET-1 (MMR))	
			1.5	UPTO 750V	02	18.0	Y,Y	L-NET-2, 320804.01 (FOR CONTROL NET-2)	
			1.5	UPTO 750V	02	18.0	B,B	MMR-NET-2, N-NET-2 (FOR CONTROL NET-2 (MMR))	
			1.5	UPTO 750V	02	18.0	R,R	320807, LLS (FOR CONTROL LMS)	
			1.5	UPTO 750V	02	18.0	R,R	320201.01, 320202.01 FOR CONTACTOR K44/K43)	
			1.5	UPTO 750V	04	18.0	CH,CH,CH,CH	420108. 420202, 420209, 420208 (FOR DIAGNOSIS K01,K02,K41,K42)	
			1.5	UPTO 750V	02	18.0	CH,W	230101.01, 230102.01 (FOR 110V SUPPLY ANTI-SKID DEVICE)	
			1.5	UPTO 750V	01	18.0	CH	420212.01 (FOR DIAGNOSIS ANTI-SKID CIRCUIT)	
			1.5	UPTO 750V	03	18.0	CH,CH,W	320405.19, 430102.01, 320406.15 (FOR BRAKE CIRCUIT)	

EARTHING CABLES:

CABLE SIZE	NO.OF CABLE	LENGTH (IN MM.)	COLOUR OF CABLE	EQUPMENT	CRIMPING SOCKET
70	04	500	GNYE	FEEDER JUNCTIONN BOX (4-Nos.)	70 SQ.MM. /M12 (8-NOS.)
70	02	500	GNYE	55+5 KVA T/F (2-Nos.)	70 SQ.MM. /M12 (4-NOS.)
70	02	1250	GNYE	FEEDRE JUNCTION BOX (2-Nos.)	70 SQ.MM. /M12 (4-NOS.)
70	02	800	GNYE	FEEDER JUNCTION BOX (2-Nos.)	70 SQ.MM. /M10 (4-NOS.)
50	01	450	GNYE	BATTERY BOX	50 SQ.MM. /M10 (2-NOS.)
16	05	500	GNYE	BRAKE (1-no.), BATTERY FUSE BOX (+VE & -VE) (1-No. each) , CAPACITOR BANK (2-Nos.)	16 SQ.MM. /M8 (10-NOS.)
16	02	200	GNYE	PUMP (2-Nos.)	16 SQ.MM. /M8 (4-NOS.)
2.5	04	500	GNYE	DUMP VALVE (1-No. each)	2.5 SQ.MM. /M6 (8-NOS.)

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DATE OF FIRST ISSUE 04/08/2022

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES: LA70439 ALT NIL			
WEIGHT	FILE	Z:\la70439a.prt (2D)				
NIL KG	BLOCK, WIRING DIAGRAM & HARNESS CHART OF UNDERFRAME FOR LHB EOG AC FIRST CLASS COACH			SCALE	SSE/ED	
S.AREA					CHD	
NIL M²					DRN	
~~LENGTH/DIA~~	RAIL COACH FACTORY, KAPURTHALA			REF.DRG.No.	NIL	
NIL M						
~~WIDTH/THICK~~	रेलकोच फैक्टरी कपूरथला	IRS		PL NO.	NIL	
NIL M				DRG.NO.	LA70439	
HEIGHT	SEE/D&D		DY.CEE/D&D	ALT.	0	SIZE A1 SHEET 2/3
NIL M						

ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY
a	29/01/2025	ALL	1. DRAWING MODIFIED & BOM UPDATED.	CR NO. 2300250018

CODE	DESCRIPTION
S1	ON-BOARD PANEL
S3	BATTERY BOX
S4	BATTERY FUSE BOX +VE
S5	BATTERY FUSE BOX -VE
S7	55+5 KVA TRANSFORMER
S22	PUMP BOX
A14	BULK SUPPLY
A15	
A16	FEEDER JUNCTION BOX
A17	
A18	
A19	
VK1	CABLE CONNECTION BOX (FOR SPEED SENSOR)
VK2	
VK3	
VK4	
VK5	CABLE CONNECTION BOX (FOR DUMP VALVE)
VK7	CABLE CONNECTION BOX (FOR PUMP BOX)
VK8	CABLE CONNECTION BOX (FOR LEVEL SENSOR)
VK9	
VKG1	SPEED SENSOR
VKG2	
VKG3	
VKG4	
EVS1	DUMP VALVE (DISC BRAKE SYSTEM)
EVS2	
EVR1	
EVR2	
EVS3	
EVS4	
EVR3	
EVR4	
S9	CAPACITOR BANK
S30	REGULATED BATTERY CHARGER
S31	UNDERSLUNG HV PANEL

70	COPPER CRIMPING SOCKET FOR 2.5 SQ. MM CABLE	8	NIL	EDTS-201,REV-A AM-3,CORR-2	ITEM-10, COND. IN EDTS-440, REV-A	35	4 SQ. MM (YELLOW) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	20	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
~~69~~	COPPER CRIMPING SOCKET FOR 6 SQ. MM CABLE	~~10~~	~~NIL~~	EDTS-201,REV-A AM-3,CORR-2	ITEM-5, COND. IN EDTS-440, REV-A	34	4 SQ. MM (RED) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	20	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
~~68~~	COPPER CRIMPING SOCKET FOR 6 SQ. MM CABLE	~~8~~	~~NIL~~	EDTS-201,REV-A AM-3,CORR-2	ITEM-6, COND. IN EDTS-440, REV-A	33	6 SQ. MM (GNYE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	7	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
~~67~~	COPPER CRIMPING SOCKET FOR 10 SQ. MM CABLE	~~8~~	~~NIL~~	EDTS-201,REV-A AM-3,CORR-2	ITEM-2, COND. IN EDTS-440, REV-A	32	6 SQ. MM (BLACK) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	7	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
~~66~~	COPPER CRIMPING SOCKET FOR 16 SQ. MM CABLE	~~2~~	~~NIL~~	EDTS-200,AM-2, CORR-3, ITEM-17	COVD. IN EDTS-440, REV-A	31	6 SQ. MM (BLUE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	7	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
65	COPPER CRIMPING SOCKET FOR 16 SQ. MM CABLE	14	NIL	EDTS-200,AM-2, CORR-3, ITEM-16	COVD. IN EDTS-440, REV-A	30	6 SQ. MM (YELLOW) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	7	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
~~64~~	COPPER CRIMPING SOCKET FOR 16 SQ. MM CABLE	~~27~~	~~NIL~~	EDTS-200,AM-2, CORR-3, ITEM-15	COVD. IN EDTS-440, REV-A	29	6 SQ. MM (RED) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	7	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
63	COPPER CRIMPING SOCKET FOR 25 SQ. MM CABLE	8	NIL	EDTS-200,AM-2, CORR-3, ITEM-14	COVD. IN EDTS-440, REV-A	28	10 SQ. MM (WHITE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	18	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
62	COPPER CRIMPING SOCKET FOR 25 SQ. MM CABLE	8	NIL	EDTS-200,AM-2, CORR-3, ITEM-13	COVD. IN EDTS-440, REV-A	27	16 SQ. MM (GNYE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	4	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
61	COPPER CRIMPING SOCKET FOR 50 SQ. MM CABLE	12	NIL	EDTS-200,AM-2, CORR-3, ITEM-11	COVD. IN EDTS-440, REV-A	~~26~~	25 SQ. MM (CHOC.) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	~~13~~	~~NIL~~	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
60	COPPER CRIMPING SOCKET FOR 50 SQ. MM CABLE	7	NIL	EDTS-200,AM-2, CORR-3, ITEM-10	COVD. IN EDTS-440, REV-A	~~25~~	25 SQ. MM (WHITE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	~~6~~	~~NIL~~	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
59	COPPER CRIMPING SOCKET FOR 70 SQ. MM CABLE	20	NIL	EDTS-200,AM-2, CORR-3, ITEM-7	COVD. IN EDTS-440, REV-A	24	25 SQ. MM (BLACK) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	51	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
58	CABLE MARKING SYSTEM	1	NIL	EDML-60, REV-D COL-VI	COVD. IN EDTS-440, REV-A	23	25 SQ. MM (BLUE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	51	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
57	2X1.0 SQ.MM (WH,BR) MULTICORE E-BEAM CABLE 600/1000V	41	NIL	EDTS-132, REV-C AM-3,CORR-1	DS-4, COVD. IN EDTS-440, REV-A	22	25 SQ. MM (YELLOW) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	51	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
56	4X1.5 SQ.MM (WH,BR,BLK,GNYE) MULTICORE E-BEAM CABLE 600/1000V	52	NIL	EDTS-132, REV-C AM-3,CORR-1	DS-3, COVD. IN EDTS-440, REV-A	21	25 SQ. MM (RED) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	51	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
55	1.5 SQ. MM (WHITE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	69	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	20	25 SQ. MM (BLACK) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. ABOVE 750V TO 1.8/3.0KV(IN MTRS)	8	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
54	1.5 SQ. MM (CHOCO.) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	188	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	19	25 SQ. MM (BLUE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. ABOVE 750V TO 1.8/3.0KV(IN MTRS)	8	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
53	1.5 SQ. MM (BLUE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	269	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	18	25 SQ. MM (YELLOW) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. ABOVE 750V TO 1.8/3.0KV(IN MTRS)	8	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
52	1.5 SQ. MM (YELLOW) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	269	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	17	25 SQ. MM (RED) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. ABOVE 750V TO 1.8/3.0KV(IN MTRS)	8	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
51	1.5 SQ. MM (RED) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	269	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	16	50 SQ. MM (GNYE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UPTO 750V (IN MTRS)	1	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
50	1.5 SQ. MM (GNYE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. 750V TO 1.8/3.0 KV(IN MTRS)	18	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	15	50 SQ. MM (CHOC.) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UPTO 750V (IN MTRS)	3	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
~~49~~	1.5 SQ. MM (GREY) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. 750V TO 1.8/3.0 KV(IN MTRS)	~~10~~	~~NIL~~	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	14	50 SQ. MM (WHITE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UPTO 750V (IN MTRS)	3	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
~~48~~	1.5 SQ. MM (CHOCO.) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. 750V TO 1.8/3.0 KV(IN MTRS)	~~100~~	~~NIL~~	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	13	50 SQ. MM (BLACK) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UPTO 750V (IN MTRS)	15	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
~~47~~	1.5 SQ. MM (WHITE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. 750V TO 1.8/3.0 KV(IN MTRS)	~~36~~	~~NIL~~	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	12	50 SQ. MM (BLUE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UPTO 750V (IN MTRS)	15	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
~~46~~	1.5 SQ. MM (BLACK) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. 750V TO 1.8/3.0KV(IN MTRS)	~~72~~	~~NIL~~	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	11	50 SQ. MM (YELLOW) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UPTO 750V (IN MTRS)	15	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
45	1.5 SQ. MM (BLUE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. 750V TO 1.8/3.0KV(IN MTRS)	180	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	10	50 SQ. MM (RED) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UPTO 750V (IN MTRS)	15	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
44	1.5 SQ. MM (YELLOW) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. 750V TO 1.8/3.0KV(IN MTRS)	180	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	9	50 SQ. MM (BLACK) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.750V TO 1.8/3.0KV(IN MTRS)	31	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
43	1.5 SQ. MM (RED) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. 750V TO 1.8/3.0KV(IN MTRS)	198	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	8	50 SQ. MM (BLUE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.750V TO 1.8/3.0KV(IN MTRS)	31	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
42	2.5 SQ. MM (GNYE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	2	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	7	50 SQ. MM (YELLOW) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.750V TO 1.8/3.0KV(IN MTRS)	31	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
41	2.5 SQ. MM (CHOCO.) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	102	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	6	50 SQ. MM (RED) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.750V TO 1.8/3.0KV(IN MTRS)	31	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
40	2.5 SQ. MM (BLUE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	20	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	5	70 SQ. MM (GNYE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.750V TO 1.8/3.0KV(IN MTRS)	8	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
39	2.5 SQ. MM (YELLOW) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	20	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	4	95 SQ. MM (BLACK) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.750V TO 1.8/3.0KV(IN MTRS)	49	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
38	2.5 SQ. MM (RED) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	20	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	3	150 SQ. MM (BLUE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.750V TO 1.8/3.0KV(IN MTRS)	49	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
37	4 SQ. MM (BLACK) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	20	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	2	150 SQ. MM (YELLOW) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.750V TO 1.8/3.0KV(IN MTRS)	49	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
36	4 SQ. MM (BLUE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	20	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A	1	150 SQ. MM (RED) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.750V TO 1.8/3.0KV(IN MTRS)	49	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A

76	COPPER CRIMPING SOCKET FOR 10 SQ. MM CABLE	9	NIL	EDTS-201,REV-A AM-3,CORR-2	ITEM-1, COND. IN EDTS-440, REV-A
75	1.5 SQ. MM (GNYE) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	41	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
74	10 SQ. MM (CHOCO.) THIN WALLED FLEX.ELAST.CABLE WITH CU.COND. UPTO 750V(IN MTRS)	22	NIL	ELRS/SPEC/ELC/ 0019-(LATEST)	COVD. IN EDTS-440, REV-A
73	COPPER CRIMPING SOCKET FOR 1.5 SQ. MM CABLE	12	NIL	EDTS-201,REV-A AM-3,CORR-2	ITEM-11, COND. IN EDTS-440, REV-A
72	COPPER CRIMPING SOCKET FOR 4 SQ. MM CABLE	4	NIL	EDTS-201,REV-A AM-3,CORR-2	ITEM-8, COND. IN EDTS-440, REV-A
71	COPPER CRIMPING SOCKET FOR 70 SQ. MM CABLE	4	NIL	EDTS-200,AM-2, CORR-3, ITEM-8	COVD. IN EDTS-440, REV-A

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NOTE:-
1. THE COLOUR & LENGTH OF INDIVIDUAL CABLE IS GIVEN IN THE BIL OF MATERIAL.
2. FOR EARTHING PURPOSE 70 SQ.MM CABLE TO BE USED.
3 & 3. WIRING SHOWN FOR REFERENCE. (IN SCOPE OF ANTISKID DEVICE SUPPLIER).

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M			SUPERSEDES: LA70439 ALT NIL			
WEIGHT	GROUP	ELECTRICAL				
NIL KG	FILE	Z:\la70439a.prt (2D)				
S.AREA		BLOCK, WIRING DIAGRAM & HARNESS CHART OF UNDERFRAME FOR LHB EOG AC FIRST CLASS COACH	SCALE	SSE/ED		
NIL M^2				CHD		
~~LENGTH/DIA~~				DRN		
NIL M		RAIL COACH FACTORY, KAPURTHALA	REF.DRG.No. NIL			
~~WIDTH/THICK.~~		रेलकोच फैक्टरीकपूरथला IRS	PL NO.	NIL		
NIL M			DRG.NO.	LA70439		
HEIGHT		SEE/D&D DY.CEE/D&D	ALT.	a	SIZE A1	SHEET 3/3
NIL M						

ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID.
DETAIL DRGS STARTING WITH "LI" ARE INTERNAL REFERENCE LISTS ONLY AND ARE NOT FOR ISSUE.
FOR UNTOLERANCED DIMENSIONS REFER MDG0008
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