

Halogen free, Polyamide accessories with Metric thread required for under slung equipments wiring in conventional SG AC coaches:

Table 1: Halogen free, polyamide type accessories with Metric threads required for wiring of various types of Under slung equipments of Conventional SG AC coaches :

SNo.	Description	Spec. no.: RDSO/FE/SPEC/AC/138- 2009 (Rev.-1) with details as per Annex.-A.	Total unit/coach	Location
1.	End fitting, M50	Table A-5, Sno.12	26 Nos.	For U/S equipments on under frame.
2.	Hex Lock Nut, M50	Table A-9, Sno.7	15Nos.	
3.	Polyamide flexible conduit, NW36	Table A-1, Sno.6	28 Mt.	
4.	Aluminum coupler, 50mm	CC72100 (Item-1)	13 Nos.	For U/S Inv. Rigid conduits etc. wiring
5.	Tube clamp, NW36	Table A-8, Sno.7	45 Nos.	For Clamping of NW36 conduit on U/F.
6.	End fitting, M32	Table A-5, Sno.8	13Nos.	B. Box-1 & 2 wiring.
7.	Hex Lock Nut, M32	Table A-9, Sno.5	11 Nos.	
8.	Polyamide flexible conduit, NW23	Table A-1, Sno.4	10Mt.	
9.	Aluminum coupler, 32mm	CC72100 (Item-3)	02 Nos.	
10.	Tube clamp, NW23	Table A-8, Sno.4	15 Nos.	For Clamping of NW23 conduits on U/F.
11.	End fitting, Pg11	Table A-2, Sno.2	04 Nos.	For Pump/PIS wiring
12.	Hex Lock Nut, Pg11	Table A-10, Sno.2	04 Nos.	
13.	Polyamide flexible conduit, NW12	Table A-1, Sno.2	21 Mt.	
14.	Tube clamp, NW12	Table A-8, Sno.2	06 Nos.	For clamping of NW12 conduits on Pump

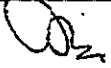
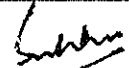

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Table 1A: Halogen free, polyamide type accessories with Metric threads required for wiring of various types of Under frame equipments of conventional SG AC Crashworthy type coaches :-

SNo.	Description	Spec. no.: RDSO/FE/SPEC/AC/138- 2009 (Rev.-1) with details as per Annex.-A.	Total unit/coach	Location
1.	End fitting, M50	Table A-5, Sno.12	34 Nos.	For U/S equipments on under frame.
2.	Hex Lock Nut, M50	Table A-9, Sno.7	23 Nos.	
3.	Polyamide flexible conduit, NW 36	Table A-1, Sno.6	40 Mt.	
4.	Aluminum coupler, 50mm	CC72100 (Item-1)	13 Nos.	For U/S Inv. Rigid conduits etc. wiring
5.	Tube clamp, NW36	Table A-8, Sno.7	45 Nos.	For Clamping of conduit on U/F
6.	End fitting, M32	Table A-5, Sno.8	13 Nos.	B Box-1&2 wiring
7.	Hex Lock Nut, M32	Table A-9, Sno.5	11 Nos.	
8.	Polyamide flexible conduit, NW23	Table A-1, Sno.4	10Mt.	
9.	Aluminum coupler, 32mm	CC72100 (Item-3)	02Nos.	
10.	Tube clamp, NW23	Table A-8, Sno.4	15 Nos.	For Clamping of NW23 conduit on U/F
11.	End fitting, Pg 11	Table A-2, Sno.2	04 Nos.	For pump wiring
12.	Hex Lock Nut, Pg 11	Table A-10, Sno.2	04 Nos.	
13.	Polyamide flexible conduit, NW12	Table A-1, Sno.2	06 Mt.	
14.	Tube clamp, NW12	Table A-8, Sno.2	06 Nos	For clamping of NW12 conduits on Pump

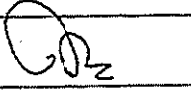
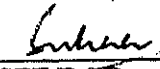

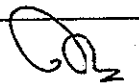
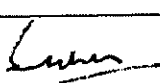

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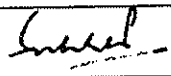

Table-2:- Halogen free, polyamide type accessories with Metric threads required for **Roof arrangement , Side Wall & End Wall wiring** of conventional SG AC coaches :-

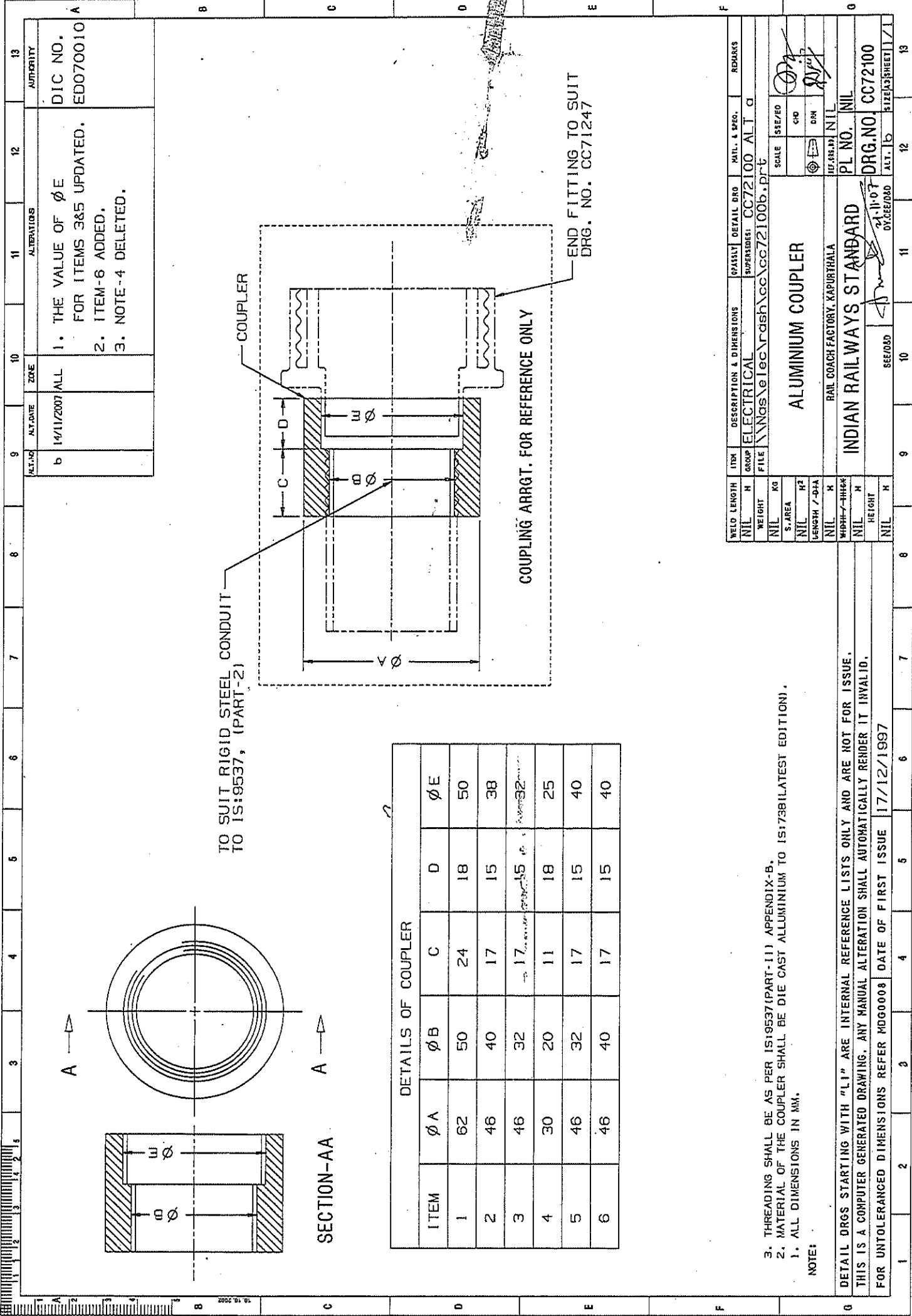
SNo.	Description	Spec. no.: RDSO/PE/SPEC/AC/138- 2009 (Rev.-1) with details as per Annex.-A.	Total unit/coach	Location
1.	End fitting, M50	Table A-5, Sno.12	04 Nos.	For AC Panel-1 &2 wiring
2.	Hex Lock Nut, M50	Table A-9, Sno.7	04 Nos.	
3.	Polyamide flexible conduit, NW36	Table A-1, Sno.6	04 Mt.	
4.	End fitting, M32	Table A-5, Sno.8	24 Nos.	For Inv. 1&2 display.
5.	Hex Lock Nut, M32	Table A-9, Sno.5	24Nos.	
6.	End fitting, M40	Table A-5, Sno.10	04 Nos.	For AC Panel wiring.
7.	Hex Lock Nut, M40	Table A-9, Sno.6	04 Nos.	
8.	Polyamide flexible conduit, NW29	Table A-1, Sno.5	06 Nos.	
9.	Polyamide flexible conduit, NW23	Table A-1, Sno.4	65 Mt.	For inside coach wiring
10.	Polyamide flexible conduit, NW17	Table A-1, Sno.3	55 Mt.	For inside coach wiring
11.	Tube clamp, NW36	Table A-8, Sno.7	06 Nos.	For clamping of NW36 conduits
12.	Tube clamp, NW29	Table A-8, Sno.6	06 Nos.	For AC Panel wiring
13.	Tube clamp, NW23	Table A-8, Sno.4	30 Nos.	For clamping of NW23 conduits
14.	Tube clamp, NW17	Table A-8, Sno.3	50 Nos.	For clamping of Pg16 conduits
15.	End fitting, M40	Table A-5, Sno.10	02 Nos.	For End Wall wiring(PP End)
16.	Polyamide flexible conduit, NW29	Table A-1, Sno.5	03 Mt.	
17.	Tube clamp NW29	Table A-8, Sno.6	03 Nos.	
18.	Aluminum coupler 40mm	CC72100(item-6)	02 Nos.	
19.	Polyamide flexible conduit, NW23	Table A-1, Sno.4	10 Mt.	

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20.	End fitting, M40	Table A-5, Sno.10	02 Nos.	For End Wall wiring (NPP End)
21.	Polyamide flexible conduit, NW29	Table A-1, Sno.5	03 Mt.	
22.	Tube clamp NW29	Table A-8, Sno.6	03 Nos.	
23.	Aluminum coupler 40mm	CC72100 (item-6)	02 Nos.	
24.	Polyamide flexible conduit, NW23	Table A-1, Sno.4	10 Mt.	

NOTE: Firm supplying the harness & cable protection system for the first time shall submit the one coach set material for *validation* before commencing bulk supply to avoid any teething at later stage.

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TO SUIT RIGID STEEL CONDUIT
TO IS:9537, (PART-2)

COUPLING ARRGT. FOR REFERENCE ONLY

END FITTING TO SUIT
DRG. NO. CC71247

DETAILS OF COUPLER

ITEM	ØA	ØB	C	D	ØE
1	62	50	24	18	50
2	46	40	17	15	38
3	46	32	17	15	32
4	30	20	11	18	25
5	46	32	17	15	40
6	46	40	17	15	40

- NOTE:
3. THREADING SHALL BE AS PER IS:9537(PART-1) APPENDIX-B.
 2. MATERIAL OF THE COUPLER SHALL BE DIE CAST ALUMINIUM TO IS:738(LATEST EDITION).
 1. ALL DIMENSIONS IN MM.

DETAIL DRGS STARTING WITH "LI" ARE INTERNAL REFERENCE LISTS ONLY AND ARE NOT FOR ISSUE.
THIS IS A COMPUTER GENERATED DRAWING. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER IT INVALID.
FOR UNTOLERANCED DIMENSIONS REFER HDG0008 DATE OF FIRST ISSUE 17/12/1997

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QUANTITY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL	H	ELECTRICAL		CC72100	AL T a	
WEIGHT	GROUP	FILE				
NIL	KG	\\nas\electrical\cc\cc72100b.prt				
S.AREA						
NIL						
LENGTH / -DFA						
NIL						
HEIGHT						
NIL						
ALUMINIUM COUPLER						
RAIL COACH FACTORY, KAPURTHALA						
INDIAN RAILWAYS STANDARD						
PL NO. NIL						
DRG. NO. CC72100						
DATE: 21.11.07						
BY: SEE/DSD						
ALT. 15						
SIZE: A3 SHEET: 1/1						

ALTERNATIONS

1. THE VALUE OF ØE FOR ITEMS 3&5 UPDATED.
2. ITEM-6 ADDED.
3. NOTE-4 DELETED.

14/11/2007 ALL

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