

SPECIFICATION FOR 'TUBULAR CRIMPING SOCKETS' FOR E-BEAM CABLES

1.0 SCOPE:

This specification covers the design parameters, material, dimensional details, and test requirements of tubular copper crimping sockets for e-beam cables.

2.0 SERVICE CONDITIONS:

3.1 ENVIRONMENTAL CONDITIONS:

- Ambient Temperature : 5°C to 55°C
- Maximum Relative Humidity : upto 98% during the rain season
- Altitude : Maximum 1000 Meters
- Atmosphere : Extremely dusty with fog
- Coastal areas : The equipment shall be designed to work in coastal areas in humidity salt laden & corrosive atmosphere.

3.2 WORKING CONDITIONS:

Train Speed : 160KMPH

Vibration and Shocks

a) Maximum Vertical Acceleration : 1.0g

b) Maximum lateral Acceleration : 0.5g

c) Maximum longitudinal Acceleration : 3.0g

d) Frequency and amplitude :

Sinusoidal form of vibration, the frequency 'f' lies between 1 Hz and 100 Hz and their amplitude 'a' expressed in mm is given as function of 'f' by the equation:

$a = 25/f$ for values of 'f' between 1 and 10Hz

$a = 250/f^2$ for values of 'f' between 10 and 100 Hz

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CORRIGENDUM NO.-3 TO SPEC. NO. EDTS 200 REV. 'NIL' AM-2, Corr.3.

This corrigendum is issued to specification no. EDTS 200 Rev 'NIL' AM-2, Corr.2 "SPECIFICATION FOR TUBULAR CRIMPING SOCKETS FOR E-BEAM CABLES" to include the following:

1. The item no. 23 added in the corr.2 suitable for M16 stud size for 25 mm² cable for wiring requirements in the LHB EOG Non-AC coaches.

ITEM	SIZE OF CABLE mm ²	STUD SIZE	Ø E	Ø A	Ø C	D	F	B	H	G	J	INSPECTION HOLE (Ø K)
1	150	M16	17	17.4	26.0	36.4	8.6	29	21	18	76	Ø 4
2	150	M12	13.0	17.4	26.0	36.4	8.6	29	21	18	76	Ø 4
3	120	M12	13.0	15.4	23	32.0	7.6	29	18	17	71	Ø 4
4	95	M12	13.0	13.5	20	27.8	6.5	24	17	15	62	Ø 4
5	95	M10	10.2	13.5	20	27.8	6.5	24	17	15	62	Ø 4
6	95	M8	8.2	13.5	20	27.8	6.5	24	17	15	62	Ø 4
7	70	M12	13	12	17.8	25	5.8	24	15	13	58	Ø 3
8	70	M10	10.2	12	17.8	25	5.8	24	15	13	58	Ø 3
9	50	M12	13	10	15.5	21.6	5.5	24	15	11	56	Ø 3
10	50	M10	10.2	10	15.5	21.6	5.5	24	15	11	56	Ø 3
11	50	M8	8.2	10	15.5	21.6	5.5	24	15	11	56	Ø 3
12	35	M10	10.2	8.2	13	17.9	4.8	18	10	10	43	Ø 3
13	25	M10	10.2	7.2	11.5	19.6	3.4	18	14	11	47	Ø 3
14	25	M8	8.2	7.2	11.5	16	4.3	18	11	8	41	Ø 3
15	16	M10	10.2	5.8	8.5	16	1.9	14	11	9	37	Ø 3
16	16	M8	8.2	5.8	8.5	16	1.9	14	11	9	37	Ø 3
17	16	M6	6.5	5.8	8.5	11.9	2.7	14	10	6	33	Ø 3
18	70	M16	17	12	17.8	26	5	24	15	15	62	Ø 3
19	95	M16	17	13.5	20	28	6.5	24	17	15	64	Ø 4
20	120	M16	17	15.4	23	32.0	7.6	29	18	17	71	Ø 4
21	185	M16	17	19	28	38.5	9	32	21	19	82	Ø 4
22	50	M16	17	10	15.5	25	4	24	15	15	62	Ø 3
23	25	M16	17	7.2	11.5	23	3	18	15	15	56	Ø 3

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