
TRANSFORMER ENGINEERING DEPARTMENT

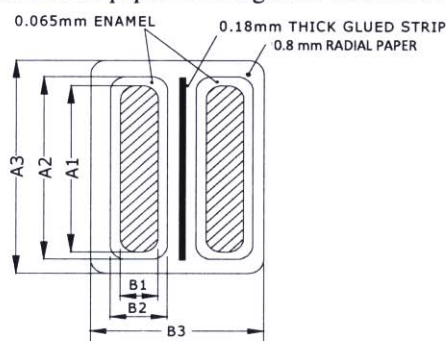
Sht 1 of 1 sheets

DTD.

LOA NO. : 5500035287-046-1028 dtd 19/03/2020 & 4000234658-M87-1028 DTD: 19-03-2020

			ITEM1	ITEM2	ITEM3	ITEM 4	ITEM 5
1.	CABLE SIZE	mm× mm	 (2 x 2.60) x 11.60				
2.	GRADE OF ENAMEL	--	F & GLUED STRIP BETWEEN STRANDS				
3.	RADIAL PAPER	mm	0.80 (10 layers)				
4.	PAPER		Thermally upgraded paper as per TRE 218 (Nominal paper thickness : 75 micron)				
5.	0.1% PROOF STRESS	MPa	 150				
6.	NO. OF DRUMS		12	6	18	6	24
7.	LENGTH PER DRUM	m	323.5	461.0	626.0	319.5	403.5
8.	TOTAL BARE WEIGHT	Kg	2044.0	1456.5	5932.5	1009.5	5098.5
9.	TOTAL COVERED WEIGHT	Kg	2201.5	1569.0	6390.0	1087.5	5492.0
10.	COVERED WEIGHT PER	Kg	183.46	261.50	355.03	181.25	228.83
	TOTAL BARE WEIGHT = 15541.0 kg, TOTAL COVERED WEIGHT = 16740.0 kg						

1. Length per drum should not be less than the specified for all drums except the drum from which sample has been taken for testing.
2. Items 1- 5 are proof stress glued bunched PICC (LR Type) conforming to specification CPS AA 28128(Rev.06), TRE 078(Rev.02) & TRE151(Rev.02). **Both the strands shall be enamelled with 0.065 mm thickness on all the sides of each strand.** The two strands shall be separated by 0.18 mm thick glued strip. The overall paper covering shall be 0.80mm radial. The dimensions as per sketch shall be:
 Dimension of each enamelled strand
 (B2xA2) = 2.73 x 11.73 mm.
 Dimension of bare copper strand
 (B1xA1) = 2.60 x 11.60 mm.
 Overall covered dimension
 (B3xA3) = 7.24 x 13.33 mm
3. Item 1–5 shall be supplied in drums of minimum barrel diameter 720 mm.
4. For storage & transportation of conductor, instruction given in TR 10133I(Rev.05) for Glued PICC (GPICC) in to be followed.
5. Wax coating as per Cl.9.6 of spec. AA28128(Rev.06) to be provided (Available with suppliers).
6. Quality plan no. QA/TCB/B0/74 REV.00 shall be followed and NTPC approved QA plan.
7. Buckling Load shall be **7980 N** with tolerance of +15%/-10%.



REV	DATE	ALT CKD	REV 01	DATE 10.09.2020	ALT- CKD	REV 00	NAME	SIGN	DATE
			Cl. 3 & Note 4 revised.			PREP	C. MONDAL	-s.d.-	26.06.2020
						CKD	K G KRISHNAN	-s.d.-	26.06.2020
DWI/TCB/TRE/010									