

SPECIFICATION CUM COMPLIANCE CERTIFICATE OF H.T. & L.T. CABLES FOR DEBOTTLENECKING SCHEME
SPECIFICATION No.--HT/LT CABLES FOR DEBOTTLENECKING SCHEME Annex. A (Technical data sheet)

S.No.	Description	Action by vendor	3 C x 95 sqmm Aluminium F (ARMOR) HT CABLE 1.900KM.	1 C x 500 sqmm Aluminium Wd (ARMOR) HT CABLE 1.500KM	3.5 C x 300 sqmm Aluminium (FARMOR) LT CABLE 1.900KM	4 C x 4 sqmm Copper (UNARMOR) LT CABLE 1.000 KM	4 C x 2.5 sqmm Copper (UNARMOR) LT CABLE 2.000KM	12 C x 2.5 sqmm Copper (UNARMOR) LT CABLE 1.000KM	24 C x 2.5 sqmm Copper (UNARMOR) LT CABLE 1.000 KM
1	GENERAL								
1.1	Name of manufacturing	VENDOR TO SPECIFY							
1.2	voltage grade	VENDOR TO SPECIFY							
1.3	Standards Applicable	VENDOR TO SPECIFY							
2	CONDUCTOR								
	material	VENDOR TO SPECIFY							
	Nominal Cross Sectional Area	VENDOR TO SPECIFY			MAIN & NEUTRAL				
	Shape of conductor	VENDOR TO SPECIFY							
	number of wires in a cond.	VENDOR TO SPECIFY	N/A	N/A	N/A				
	Nom. Dia. Of each wire (before stranding)	VENDOR TO SPECIFY	N/A	N/A	N/A				
	nominal Dia meter of conductor	VENDOR TO SPECIFY			N/A				
	Max. DC Resistance at 20 Deg.c	VENDOR TO SPECIFY			MAIN & NEUTRAL				
	Max. AC Resistance at 90 Deg.c	VENDOR TO SPECIFY			N/A	N/A			N/A
	Short Circuit current for 1 sec.	VENDOR TO SPECIFY			N/A				
	Approx reactance at 50 Hz	VENDOR TO SPECIFY	N/A		N/A				
	Approx capacitance at 50 Hz	VENDOR TO SPECIFY	N/A		N/A				
	Approx. AC Resistance at 70 Deg.c	VENDOR TO SPECIFY	N/A		MAIN & NEUTRAL				
	short circuit current for 1 sec.	VENDOR TO SPECIFY	N/A	N/A					
3	CONDUCTOR TEMPERATURE								
	Rated	VENDOR TO SPECIFY							
	During short circuit	VENDOR TO SPECIFY							
4	CONDUCTOR SCREEN								
	material	VENDOR TO SPECIFY			N/A	N/A			N/A
	thickness (Minimum) mm	VENDOR TO SPECIFY			N/A	N/A			N/A
5	INSULATION								
	material	VENDOR TO SPECIFY							
	thickness (Nominal) mm	VENDOR TO SPECIFY							
	tolerance on thickness (mm)	VENDOR TO SPECIFY	N/A	N/A	N/A				
6	INSULATION SCREEN								
	Material	VENDOR TO SPECIFY			N/A	N/A			N/A
	thickness (Minimum) mm	VENDOR TO SPECIFY			N/A	N/A			N/A
7	METALLIC SHIELD								
	Material & thickness	VENDOR TO SPECIFY			N/A	N/A			N/A
8	CORE COLOUR								
	CORE IDENTIFICATION	VENDOR TO SPECIFY							
9	INNER SHEATH								
	material	VENDOR TO SPECIFY							

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	colour	VENDOR TO SPECIFY							
10	ARMOUR								
	a) Material	VENDOR TO SPECIFY				N/A	N/A	N/A	N/A
	b) Size of armour : mm (W X T)	VENDOR TO SPECIFY				N/A	N/A	N/A	N/A
	Type	VENDOR TO SPECIFY	N/A	N/A		N/A	N/A	N/A	N/A
11	OUTER SHEATH								
	material	VENDOR TO SPECIFY							
	thickness (Minimum) mm	VENDOR TO SPECIFY							
	Colour	VENDOR TO SPECIFY							
	FR-LSH Properties	VENDOR TO SPECIFY							
	oxygen index	VENDOR TO SPECIFY							
	temperature index	VENDOR TO SPECIFY							
	smoke density rating	VENDOR TO SPECIFY							
	acid gas generation	VENDOR TO SPECIFY							
	flammability test	VENDOR TO SPECIFY							
12	CABLE DATA								
	Approx overall diameter of cable (mm)	VENDOR TO SPECIFY							
	Tolerance on overall diameter $\pm$ 3 mm	VENDOR TO SPECIFY							
13	Continuous current rating for different cable when laid up: Amps								
	in ground @ 30Deg. c	VENDOR TO SPECIFY							
	in air @ 40 Deg. c	VENDOR TO SPECIFY							
14	Drum length	VENDOR TO SPECIFY							
15	Drum type: wood/ steel	VENDOR TO SPECIFY							
16	Overall quantity tolerance	VENDOR TO SPECIFY							
17	Sequence length making	VENDOR TO SPECIFY							
18	Embossing / printing	VENDOR TO SPECIFY							

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