

Annexure - I

Technical Specifications of 9T x 1.5 sqmm Cable				
S.No.	Type	Paramter	Description	Remarks
1	GENERAL	Type of Cable	9TX 1.5 mm ²	
2	CONDUCTOR	Material	Copper Conductor PVC Insulated Overall Shielded Armoured Cable as per IS:5831	
3		No./ Size of Strands mm	7 / 0.53	
4	INSULATION	Material	Flame Retardant ST2 made of Extruded PVC as per IS:5831-1984	
5		Nom. Thickness mm	0.5	
6		Voltage Grade	600/1100 V Min	
7		Min no of twist per mtr	10	
8		Colour code of colour inslation	Black/Blue/White For 1 Triad cabal	
9	INDIVIDUAL PAIR SHIELD	Material	Aluminium Backed by Myler	
10		Nom. Hickness mm	0.05	
11		Overlap	0.25	
12		Coverage	1	
13		Drain Wire	*	
14	INEER SHEATH	Material	Flame Retardant ST2 made of Extruded PVC as per IS:5831-1984	
15		Nom. Thickness mm	*	
16	ARMOURING	Material	Galvanised steel wire (GI)	
17		Size of Wire	*	
18	OUTER SHEATH	Material	FRLS made of Extruded PVC as per IS:5831 & IEC 332	
19		Nom. Hickness mm	*	
20		Colour	Black	
21		Approx. overall dia	*	
22		Tolrance in overall Dia.	*	
23	ELECTRICAL PROPERTIES	Max .mutual capacitance	250 Pf	
24		Between any core and screen	400 Pf	
25		Insulation Resistance	Min 25 Mhoms	
26		Max L/R ratio	40 Micro H/Ohms	
27		High voltage test	1 k.v for 1 min	
28		Electrostatic noise rejection ratio	76db	
29		Drain wire resistance including shield	Shall not exceed 30 Ohm/ Km.	
30		Rip cord	To be provided	
31		Min bending Radius mm	15XD	
32	GENERAL	Core identification	By No. Printed on cores for over all shielded and unshielded cables	
33		Drum length	Standard	
34		Tolrance	±5%	
35		Sequential marking	Required	
* Vendor to Specify				

K.L. Rangai 15/3/11