

Annexure - I

Technical Specifications of 1P x 1.5 sqmm Cable				
S.No.	Type	Paramter	Description	Remarks
1	GENERAL	Type of Cable	1PX 1.5 mm ²	
2	CONDUCTOR	Material	Annealed Bare Copper Conductor,PVC Insulated Armoured Cable as per IS:8130-1984	
3		No./ Size of Strands mm	7 / 0.53	
4	INSULATION	Material	Extruted 85 °C HR PVC Type - C of IS:5831-1984 , IEC 332 Part III Cat A.	
5		Nom. Thickness mm	0.5	
6		Voltage Grade	600/1100 V Min	
7		Colour code of colour	Black for single pair	
8	INDIVIDUAL PAIR SHIELD	Material	Aluminium Backed by Myler	
9		Nom. Hickness mm	0.05	
10		Overlap	0.25	
11		Coverage	1	
12		Drain Wire	*	
13	INEER SHIEATH	Material	FRLS , ST2 made of Extruded PVC as per IS:5831-1984	
14		Nom. Hickness mm	0.8	
15		Colour code of colour	Black	
16	ARMOURING	Material	Galvanised steel wire (GI)	
17		Size of Wire	1.40 mm Dia	
18	OUTER SHEATH	Material	FRLS made of Extruded PVC Type ST 2 as per IS:5831 & IEC 332 Part III Cat A.	
19		Nom. Hickness mm	1.5	
20		Colour	Black	
21		Approx. overall dia	*	
22		Tolrance in overall Dia.	*	
23	ELECTRICAL PROPERTIES	Max. Conductor D.C	12.3 Ohms / Km	
24		Max. Insulation Resistance at	100 Megaohms /Km	
25		Max. mutual capacitance	250pF / Meter at a Frequency of 1 KHZ	
26		max. inductance	1.2 Mh/Km	
27		Max. L/R ratio	40 Micro H/Ohms	
28		High voltage test	1 KV for 1 min	
29		pair to pair	1500 VAC for 1 Minute	
30		Twisting	Pair shall have twisted & twist shall be not less than 10 per meter	
31	FR properties on outer sheath	Min Oxygen Index	*	
32		Temp index	*	
33		Min bendng radius mm	*	
34	GENERAL	Core identification	By No. Printed on cores for over all shielded and unshielded cables	
35		Drum length	Standard	
36		Tolrance	±5%	
37		Sequential marking	Required	
* Vendor to Specify				

- K. S. Gargi
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