



TELECOMMUNICATION & SWITCH BOARD CABLES



Application These cables are used for indoor installation for the interconnection of telephones, telegraph & electronic equipments.

Specification TEC Specification : GIR/WIR – 06/03 March 02

CONSTRUCTION		TECHNICAL DATA			
Conductor	Solid Annealed Tinned Copper as per IS 8130 in 0.4, 0.5 & 0.6 mm sizes.	CONDUCTOR DIA (mm)	0.4	0.5	0.6
Insulation	Extruded PVC Type 2 of IS 13176 or Polyethylene or Polyamide 12. Insulation thickness as per Table 1 of specification. Colour coding as per Table 2 or Annexure 'A' of specification.	Max. Conductor Resistance at 20°C (Ohms/Km.)	143.00	92.20	64.00
Assembly	Pairs/triples/units to laid up to form a round and compact cable	Min. Insulation Resistance at 50°C/Km of completed cable in Mohm/Km	50	50	50
Core Wrap	Non-Hygroscopic & non-wicking polyester tape or tape of any other suitable material with min. 15% overlap of width of the tape	Capacitance Unbalance (pair to pair) at 800/1000 Hz (pF) for 200 meter length	230	230	230
Screening (Optional)	If required, shall be of Aluminium tape of min. 0.04mm thickness and a drain wire of solid tinned copper of 0.125 sq.mm shall be laid parallel touching the Al. surface throughout the length.	Flammability Test	Shall meet the requirement of IEC 332 (I)		
PVC Sheathing	Extruded PVC Type TM2 of IS 13176 of Grey Colour. Thickness & overall diameter as per Table 3 of specification. A non-metallic suitable rip cord shall be longitudinally placed under the sheath to facilitate the removal.				

Note

1. Armouring can also be done if specifically requested with G.S. round wire/flat strip/tape & overall jacketed with PVC generally confirming to IS 1554 (I) or as requested.
2. Fire Retardant/Fire Retardant low smoke/Zero Halogen Fire Retardant Low Smoke material for Sheath/Jacket can also be provided if requested.

NOTE:-

☒ The given picture of the product may differ to its actual in construction/colour.

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