



POLYCAB TELEPHONE (SWITCHBOARD) CABLES



*To Expand
The Capabilities Of Your
Communication Platform*



POLYCAB TELEPHONE AND SWITCHBOARD CABLES

Polycab Wires Pvt. Ltd. - An ISO 9001: 2000 Company, is the market leader in Power & Control Cables. Polycab is the fastest growing Company in Cable Industry, offering the widest range of wires & cables. Polycab twisted paired Telephone and Switchboard Cables are manufactured at its ultra modern plant in Daman.

Polycab Telephone & Switchboard Cables are best suited for telephone and switchboard cabling applications. The conductor is made of solid annealed, high conductivity bare copper conductor with nominal diameter of 0.4 & 0.5 mm. (Telephone Cables with conductor diameter 0.6 mm or 0.7 mm can also be provided on request). The conductor is insulated with special grade high density polyethylene with different colours. The insulated cores are twisted with uniform lay to form pairs which are bunched together in such a manner so as to minimize cross talk. The laid up cables are taped with polyester tape and jacketed with grey color Fire Retardant PVC with high oxygen and temperature index specially formulated in-house. A nylon rip cord is provided for easy peeling of the jacket. Polycab Telephone and switchboard Cables are recommended for switchboard and internal telephone wiring in multi-storey buildings, offices, factories, hotels, hospitals and residential complexes etc. These cables generally conform to ITD specifications S/W5 113C and Polycab specifications. Armoured Telephone & Switchboard Cables are also available.

Stringent quality control from raw material to finished goods stage coupled with Polycab R&D efforts ensure high quality and consistent performance.

Salient features : • Low Attenuation • Low cross talk • Fire retardant Jacket

Construction Parameters		Conductor Size 0.4 mm		Conductor Size : 0.5 mm	
Conductor		Solid annealed bare copper		Solid annealed bare copper	
Insulation Material		High density polyethylene		High density polyethylene	
Insulation Thickness		Average 0.20 mm		Average 0.20 mm	
Diameter of Insulated Conductor		Maximum 0.82 mm		Maximum 0.92 mm	
Rip Cord		Nylon		Nylon	
Jacket		FR PVC with high oxygen index		FR PVC with high oxygen index	
Approx. Outer diameter		Conductor Size 0.4 mm		Conductor Size : 0.5 mm	
1 Pair		2.10 mm		2.75 mm	
2 Pair		3.10 mm		3.50 mm	
3 Pair		3.30 mm		4.00 mm	
4 Pair		3.70 mm		4.70 mm	
5 Pair		4.00 mm		5.50 mm	
Colour Combination	Pair 1	Pair 2	Pair 3	Pair 4	Pair 5
1 Pair	White - Blue	—	—	—	—
2 Pair	White - Blue	White - Orange	—	—	—
3 Pair	White - Blue	White - Orange	White - Green	—	—
4 Pair	White - Blue	White - Orange	White - Green	White - Brown	—
5 Pair	White - Blue	White - Orange	White - Green	White - Brown	White - Grey
Electrical Parameters		Conductor Size 0.4 mm		Conductor Size : 0.5 mm	
Conductor Resistance		Max. 143.00 Ohms / Km at 20°C		Max. 92.20 Ohms / Km at 20°C	
Mutual Capacitance		Max. 50 nt / Km		Max. 50 nt / Km	
Insulation Resistance in Air		Min. 10000M - Ohms / Km		Min. 10000M - Ohms / Km	
Capacitance Unbalance Pair to Pair		Max. 250pF / Km		Max. 250pF / Km	

ARIHANT CABLES

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WIRES & CABLES

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