

TELEPHONE AND SWITCHBOARD

BIO CAB ZERO TELEPHONE AND SWITCHBOARD

| Low attenuation | No cross talk | Flame retardant jacket | True sound

- Applications : Recommended for switchboard and internal telephone wiring in high rise buildings, offices, factories, hotels, residential complexes, transmission of analog and digital signals, internal wiring in faxes, modems, computers, alarm enunciators, data recording / acquisition systems and various communication devices.
- Specifications : ITD-S/WS 113C & 114C, DOT GR / WIR 06/02 MAY 94, ITI D 3005 & D2712.
- Conductor : The central conductor is made of 99.97% pure solid electrolytic grade copper.
- Insulation : Premium quality grade polyethylene used for insulation with several online testing equipments.
- Twisted Pairs : The cores are carefully twisted with suitable lays and laid up together to form cable. Special attention given to this stage for minimising cross talk.
- RipCord : A nylon rip cord is provided in order to safely peel off the jacket without damaging the cores.
- Sheath : The laid up pairs are jacketed with special Flame Retardant (FR) compound to resist flame.

ELECTRICAL PARAMETERS

Conductor Resistance	: 92.20 ohm / km at 20°C max.
Mutual Capacitance	: 50 nF / km max.
Insulation Resistance in Air	: 10000 M-ohm / km
Capacitance Unbalance-pair to pair	: 230 pF / 100m max.
Capacitance Unbalance-pair to ground	: 330 pF / 100m max.
Resistance Unbalance	: 2.5% max.

Conductor Parameters	1 pair	2 pair	3 pair	4 pair	5 pair	10 pair
Conductor (solid annealed bare copper)	0.4 mm diameter (non.) & 0.5 mm diameter (non)					
Insulation Material (0.4 & 0.5 mm dia)	High density polyethylene (HDPE)					
Insulation Thickness (Average) 0.4 mm dia, 0.5 mm dia	0.17 mm, 0.20 mm					
Diameter of insulated Conductor 0.4 mm dia, 0.5 mm dia	0.74 mm, 0.92 mm					
Rip cord	Nylon					
Colour Combination	For 0.4 mm dia & 0.5 mm dia					
Part 1	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue
Part 1		White-Orange	White-Orange	White-Orange	White-Orange	White-Orange
Part 1			White-Green	White-Green	White-Green	White-Green
Part 1				White-Brown	White-Brown	White-Brown
Part 1					White-Grey	White-Grey
Part 1						White-Blue
Part 1						White-Orange
Part 1						White-Green
Part 1						White-Brown
Part 1						White-Grey

Biocab
FOCUS FORWARD



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