



**Finolex**  
Cables Limited

## DATA SHEET OF SWITCH BOARD & TELEPHONE CABLE

Construction Parameters		1 Pair	2 Pairs	3 Pairs	4 Pairs	5 Pairs	10 Pairs	20 Pairs	25 Pairs	50 Pairs	100 Pairs
Conductor (Solid annealed bare copper)		0.4 mm diameter (nom.) & 0.5 mm diameter (nom.)									
Insulation Material (0.4 & 0.5 mm dia.)		High density polyethylene									
Insulation Thickness (Average)	0.4 mm dia.	0.17mm									
	0.5 mm dia.	0.20mm									
Diameter of Insulated Conductor (Maximum)	0.4 mm dia.	0.74mm									
	0.5 mm dia.	0.92mm									
Rip cord (0.4 & 0.5 mm dia.)		Nylon									
<b>Colour Combination</b>		<b>For 0.4 mm dia &amp; 0.5 mm dia.</b>									
Pair 1	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue
Pair 2	-	White-Orange	White-Orange	White-Orange	White-Orange	White-Orange	White-Orange	White-Orange	White-Orange	White-Orange	White-Orange
Pair 3	-	-	White-Green	White-Green	White-Green	White-Green	White-Green	White-Green	White-Green	White-Green	White-Green
Pair 4	-	-	-	White-Brown	White-Brown	White-Brown	White-Brown	White-Brown	White-Brown	White-Brown	White-Brown
Pair 5	-	-	-	-	White-Grey	White-Grey	White-Grey	White-Grey	White-Grey	White-Grey	White-Grey
Pair 6	-	-	-	-	-	Red-Blue	Red-Blue	Red-Blue	Red-Blue	Red-Blue	Red-Blue
Pair 7	-	-	-	-	-	Red-Orange	Red-Orange	Red-Orange	Red-Orange	Red-Orange	Red-Orange
Pair 8	-	-	-	-	-	Red-Green	Red-Green	Red-Green	Red-Green	Red-Green	Red-Green
Pair 9	-	-	-	-	-	Red-Brown	Red-Brown	Red-Brown	Red-Brown	Red-Brown	Red-Brown
Pair 10	-	-	-	-	-	Red-Grey	Red-Grey	Red-Grey	Red-Grey	Red-Grey	Red-Grey
Pair 11	-	-	-	-	-	-	Black-Blue	Black-Blue	Black-Blue	-	Black-Blue
Pair 12	-	-	-	-	-	-	-	Black-Orange	Black-Orange	-	Black-Orange
Pair 13	-	-	-	-	-	-	-	Black-Green	Black-Green	-	Black-Green
Pair 14	-	-	-	-	-	-	-	Black-Brown	Black-Brown	-	Black-Brown
Pair 15	-	-	-	-	-	-	-	Black-Grey	Black-Grey	-	Black-Grey
Pair 16	-	-	-	-	-	-	-	Yellow-Blue	Yellow-Blue	-	Yellow-Blue
Pair 17	-	-	-	-	-	-	-	Yellow-Orange	Yellow-Orange	-	Yellow-Orange
Pair 18	-	-	-	-	-	-	-	Yellow-Green	Yellow-Green	-	Yellow-Green
Pair 19	-	-	-	-	-	-	-	Yellow-Brown	Yellow-Brown	-	Yellow-Brown
Pair 20	-	-	-	-	-	-	-	Yellow-Grey	Yellow-Grey	-	Yellow-Grey
Pair 21	-	-	-	-	-	-	-	-	Violet-Blue	-	-
Pair 22	-	-	-	-	-	-	-	-	Violet-Orange	-	-
Pair 23	-	-	-	-	-	-	-	-	Violet-Green	-	-
Pair 24	-	-	-	-	-	-	-	-	Violet-Brown	-	-
Pair 25	-	-	-	-	-	-	-	-	Violet-Grey	-	-
<b>No. of Units</b>		<b>1 x 1 P</b>	<b>1 x 2 P</b>	<b>1 x 3 P</b>	<b>1 x 4 P</b>	<b>1 x 5 P</b>	<b>1 x 10 P</b>	<b>1 x 20 P</b>	<b>1 x 25 P</b>	<b>5 x 10 P</b>	<b>5 x 20 P</b>
Colour of Unit Identification Binder		For 0.4 mm dia & 0.5 mm dia.									
Unit 1	-	-	-	-	-	-	-	-	-	Blue	Blue
Unit 2	-	-	-	-	-	-	-	-	-	Orange	Orange
Unit 3	-	-	-	-	-	-	-	-	-	Green	Green
Unit 4	-	-	-	-	-	-	-	-	-	Brown	Brown
Unit 5	-	-	-	-	-	-	-	-	-	Grey	Grey
PVC Jacket (0.4 mm dia & 0.5 mm dia.)		FRPVC compound with high oxygen index									
Approx. Outer Diameter	0.4 mm dia	2.40	3.10	3.50	3.90	4.30	6.20	8.40	9.30	12.30	16.80
	0.5 mm dia	3.10	3.90	4.20	5.10	5.60	8.20	10.50	10.70	15.20	20.40
Packing Length (mtrs) 0.4 mm dia & 0.5 mm dia.		100	100	100	100	100	100	100	500	500	500

Electrical Parameters	0.4 mm dia	0.5 mm dia
Conductor Resistance (max.) ohms/km at 20°C	143.0	92.20
Mutual Capacitance (max.) nf/km	50	50
Insulation Resistance in Air (min.) M-ohms/km	10,000	10,000
Capacitance Unbalance Pair to Pair (max.) pF/km	250	250



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