

**CABLE PLASTIC TWIN PAIR, TRIPLE AND UNIT TYPE INTERNAL CABLE
PVC / PVC INTERNAL TELEPHONE CABLE**

CONDUCTOR

Plain Annealed Copper Wire

INSULATION

Hard Grade PVC

TWISTING

Two or three insulated conductors are twisted into a pair or triplex

STRANDING UNIT

5 or 10 pairs

LAID-UP

Unit are laid-up into a compact and symmetrical cable core

SHEATH

Grey colour PVC TM1

ELECTRICAL & MECHANICAL CHARACTERISTICS

Conductor							
Conductor Diameter		* Resistance per km At 20°C		Elongation After Removal From Cable	Mutual Capacitance	Capicitance Unbalance Pair to Pair	Insulation Resistance
Nom.	Max.	Max. Average	Max. for 99% of Cases	Min.	Max. Ave.	Max.	Min.
mm	mm	ohm	ohm	%	nF/km	pF/500m	Mohm. Km
0.50	0.505	91	96	15	90	275	300
0.63	0.637	58	60	20	100	275	300

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CONSTRUCTION DATA

Conductor		PVC		Cable		Packing	
Construction		Insulation Thickness	Min. Sheath Thickness	Overall Diameter	Approx. Weight	Length Per Coil	Length Per Drum
Size	No. of Pairs						
mm		mm	mm	mm	kg/km	m	m
0.50	1	0.25	0.75	3.8	17	250	-
0.50	3 wires	0.25	0.75	4.0	21	250	-
0.50	5	0.25	0.75	6.4	51	250	-
0.50	10	0.25	0.75	8.3	86	-	1000
0.50	20	0.25	1.0	11.5	165	-	1000
0.50	30	0.25	1.0	13.5	230	-	1000
0.50	50	0.25	1.5	17.7	390	-	1000
0.50	100	0.25	2.0	24.2	760	-	1000
0.50	200	0.25	2.1	31.9	1390	-	1000
0.63	1	0.25	0.75	4.1	21	250	-
0.63	3 wires	0.25	0.75	4.3	25	250	-
0.63	5	0.25	0.75	7.0	66	250	-
0.63	10	0.25	0.75	9.1	110	-	1000
0.63	20	0.25	1.0	12.6	220	-	1000
0.63	30	0.25	1.0	14.9	310	-	1000
0.63	50	0.25	1.5	19.6	530	-	1000
0.63	100	0.25	2.0	26.8	1030	-	1000
0.63	200	0.25	2.2	35.6	1920	-	1000

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COLOUR OF BINDER TAPE

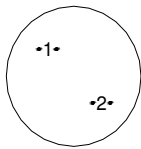
Unit Number	Colour of Binder
1	Blue
2	Orange
3	Green
4	Brown
5	Grey
6	Blue - White
7	Orange - White
8	Green - White
9	Brown - White
10	Grey - White

INSULATION COLOURS OF CONDUCTORS

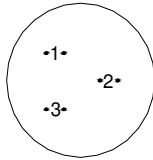
Pair No.	Colour of Conductor Insulation			
	A - Wire	B - Wire		
1.	White	Blue	First	10 pair unit
2.	White	Orange	5	
3.	White	Green	pair	
4.	White	Brown	sub-unit	
5.	White	Grey		
6.	Red	Blue	Second	
7.	Red	Orange	5	
8.	Red	Green	pair	
9.	Red	Brown	sub-unit	
10.	Red	Grey		
1 Pair only	1 Pair cable may be either White/Orange, White/Blue, White/Green, White/Brown or White/Grey			
3 wires	White / Orange / Green			

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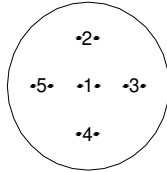
CABLE MAKE-UP



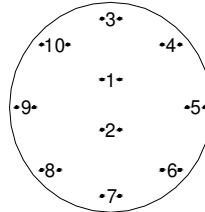
1 Pair



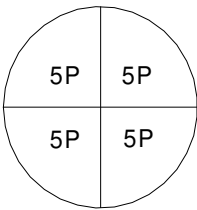
3 Wires



5 Pairs
(or 5-Pair Sub Units)

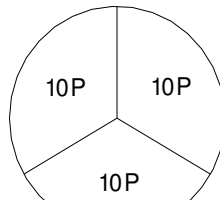


10 Pairs
(or 10-Pair Sub Units)



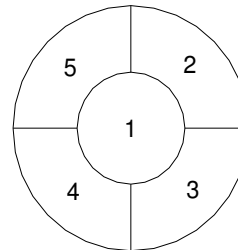
20 Pairs
(or 20-Pair Sub Units)

4 x 5 Pair
Sub Units

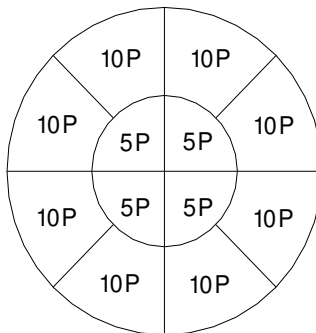


30 Pairs

3 x 10 Pair
Sub Units

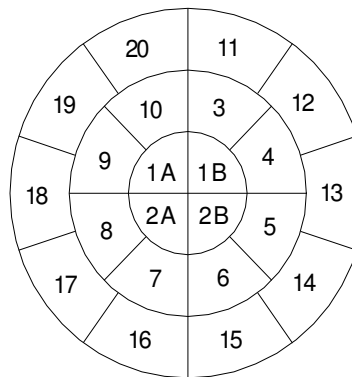


50 Pairs



100 Pairs

Core 1 x 20 Pair Unit
Layer 8 x 10 Pair Sub Units



200 Pairs

Core 1 x 100 Pair Unit
Layer 10 x 10 Pair Sub Units