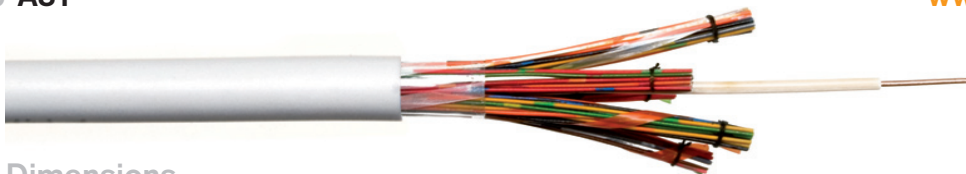


# CW1308 Internal Telecom Cable

Eland Product Group **A8T**

## Application

Cables primarily designed for the interconnection of telephone equipment which is installed indoors. In addition these cables may be used for the interconnection of other communication and control equipment or low level signalling applications.



## Dimensions

Nominal Diameter of Conductor mm	Nominal Cross Sectional Area mm <sup>2</sup>	Nominal Thickness of Insulation mm	Nominal Diameter of Cores mm
0.50	0.2	0.2	0.95
1.38	1.5	0.6	2.70

## Standards

CW1308

## Conductor

Solid class 1 tinned copper to BS6360

## Insulation

Colour coded PVC

## Sheath

PVC

## Colour

White or Black

## Temperature Rating

0 to +70°C

## Minimum Bending Radius

8 x overall diameter

## Telephone 1/0.5mm PVC PVC CW1308 Internal

No. of Pairs	Construction	Nominal Overall Diameter mm	Nominal Weight kg/Km
1	L	3.1	12.0
2	L	3.5	18.0
3	L	4.5	28.0
4	L	5.3	35.5
5	L	5.4	38.0
6	L	5.5	43.0
8	1/2 16U	5.9	57.0
10	L	6.2	64.0
10+E	1/2 20U	6.5	87.0
12	L	9.1	85.0
15	L	9.8	102.0
20	L	8.5	123.0
20+E	20U	8.5	138.0
25	L	9.5	150.0
25+E	L	9.5	167.0
30	L	10.0	180.0
30+E	L	10.0	193.0
32	16U	10.5	200.0
40+E	20U	11.5	250.0
50+E	20U	12.5	300.0
80+E	20U	16.0	462.0
100+E	20U	18.0	580.0
160+E	20U	18.0	895.0
200+E	20U	25.0	1105.0
320+E	20U	31.3	1740.0

Construction:

L - Layered pairs

U - Unit construction

X - Includes additional 0.5mm diameter insulated conductor coloured violet

E - Includes additional 1.38mm diameter insulated earth wire coloured white

## Telephone 1/0.5mm PVC PVC CW1308 Internal

Cabling Element	Colour Code Table CW1308				
	Colour of Insulation		Cabling Element	Colour of Insulation	
	A - Wire	B - Wire		A - Wire	B - Wire
1	WHITE - Blue	BLUE - White	16	YELLOW - Blue	BLUE - Yellow
2	WHITE - Orange	ORANGE - White	17	YELLOW - Orange	ORANGE - Yellow
3	WHITE - Green	GREEN - White	18	YELLOW - Green	GREEN - Yellow
4	WHITE - Brown	BROWN - White	19	YELLOW - Brown	BROWN - Yellow
5	WHITE - Grey	GREY - White	20	YELLOW - Grey	GREY - Yellow
6	RED - Blue	BLUE - Red	21	VIOLET - Blue	BLUE - Violet
7	RED - Orange	ORANGE - Red	22	VIOLET - Orange	ORANGE - Violet
8	RED - Green	GREEN - Red	23	VIOLET - Green	GREEN - Violet
9	RED - Brown	BROWN - Red	24	VIOLET - Brown	BROWN - Violet
10	RED - Grey	GREY - Red	25	VIOLET - Grey	GREY - Violet
11	BLACK - Blue	BLUE - Black	26	PINK - Blue	BLUE - Pink
12	BLACK - Orange	ORANGE - Black	27	PINK - Orange	ORANGE - Pink
13	BLACK - Green	GREEN - Black	28	PINK - Green	GREEN - Pink
14	BLACK - Brown	BROWN - Black	29	PINK - Brown	BROWN - Pink
15	BLACK - Grey	GREY - Black	30	PINK - Grey	GREY - Pink

Datasheet Continues »

## Eland Cables' Datasheet CW1308 Internal Telecom Cable [Continued]

Make-Up and Unit Identification Colours 16 & 20 Pair Units						
Pair Size	8/10 PR	16/20 PR	32/40 PR	64/80 PR	128/160 PR	256/320 PR
Number of Units						
Centre	1/2	1	4 x 1/2	1	4 x 1/2	1
1st Layer	-	-	-	6 x 1/2	6	5
2nd Layer	-	-	-	-	-	10
Unit No.	Colours of Unit Lappings					
1	Orange	Orange	Orange	Orange	Orange	Orange
2	-	-	Green	Orange	Green	Orange
3	-	-	-	Natural	Orange	Natural
4	-	-	-	Green	Natural	Natural
5	-	-	-	-	Natural	Natural
6	-	-	-	-	Natural	Green
7	-	-	-	-	Natural	Orange
8	-	-	-	-	Green	Natural
9 to 15	-	-	-	-	-	Natural
16	-	-	-	-	-	Green

1/2 refers to Sub-units of 8 or 10 pairs.

### Electrical Characteristics

#### Resistance Values (ohms per kilometre and Mohms per kilometre) and Mutual Capacitance (picofarads per metre)

Nominal Diameter of Conductor mm	Maximum Conductor Resistance at 20°C ohms/Km	Minimum Insulation Resistance at 20°C Mohms/Km	Maximum Capacitance Unbalance pF/Km
0.50	97.80	50.00	500.00
1.38	12.4	-	-