

# 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.

## Standards

CW1308

## Technical Data

### Conductor

Class 1 solid annealed plain copper

### Sheath Colour

White or Black

### Insulation

PVC (Polyvinyl Chloride)

### Temperature Rating

0°C to +70°C

### Separator

PETP (Polyethylene Terephthalate)

### Minimum Bending Radius

8 x overall diameter

### Sheath

LSF (Low Smoke and Fume)

## Dimensions

Eland Part Number	No. of Pairs x Nominal Diameter of Conductors # x mm	Construction	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A8TCW13080205RL	2 x 0.5	1 x 2PR	0.80	4.0	22
A8TCW13080305RL	3 x 0.5	1 x 3PR	0.80	4.5	28
A8TCW13080405RL	4 x 0.5	1 x 4PR	0.80	5.3	36
A8TCW13080605RL	6 x 0.5	1 x 6PR	0.75	5.7	45
A8TCW13080805RL	8 x 0.5	1 x 8PR	0.75	6.3	57
A8TCW13081005LS	10 x 0.5 + E	1 x 10PR + E	0.75	7.3	90
A8TCW13081205LS	12 x 0.5	1 x 12PR	0.85	7.0	79
A8TCW13081505LS	15 x 0.5	1 x 15PR	0.85	7.7	95
A8TCW13081605LS	16 x 0.5	1 x 16PR	0.85	7.9	101
A8TCW13082005LS	20 x 0.5 + E	1 x 20PR + E	1.00	9.9	153
A8TCW13082505LS	25 x 0.5 + E	1 x 25PR + E	1.00	10.8	180
A8TCW13083005LS	30 x 0.5 + E	3 x 10PR + E	1.00	11.5	205
A8TCW13083205LS	32 x 0.5	4 x 8PR	1.00	10.7	189
A8TCW13084005LS	40 x 0.5 + E	4 x 10PR + E	1.05	12.7	258
A8TCW1308505LS	50 x 0.5 + E	5 x 10PR + E	1.15	14.0	313
A8TCW13086405LS	64 x 0.5 + E	1 x 16PR + 6 x 8PR + E	1.25	14.8	386
A8TCW13088005LS	80 x 0.5 + E	1 x 20PR + 6 x 10PR + E	1.35	16.4	472
A8TCW1308100LSF	100 x 0.5 + E	1 x 20PR + 8 x 10PR + E	1.65	18.6	596
A8TCW1308160LSF	160 x 0.5 + E	4 x 10PR + 6 x 20PR + E	1.85	23.0	912
A8TCW1308320LSF	320 x 0.5 + E	1 x 20PR + 5 x 20PR + 10 x 20PR + E	2.35	32.0	1756

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

## Electrical Characteristics

Nominal Diameter of Conductor mm	Maximum Conductor Resistance at 20°C ohms/Km	Maximum Capacitance Unbalance pF/500m
0.50	97.80	500.00

## Pair Identification

Colour Code Table CW1308					
Cabling Element	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

Table in accordance with CW1308 Issue 13.

Make-Up and Unit Identification Colours 16 & 20 Pair Units							
Pair Size	8/10 PR	16/20 PR	32/40 PR	64/80 PR	100 PR	128/160 PR	256/320 PR
<b>Number of Units</b>							
Centre	1/2	1	4 x 1/2	1	1	4 x 1/2	1
1st Layer	-	-	-	6 x 1/2	8 x 1/2	6	5
2nd Layer	-	-	-	-	-	-	10
Unit No.	Colours of Unit Lappings						
1	Orange	Orange	Orange	Orange	Orange	Orange	Orange
2	-	-	Green	Orange	Orange	Green	Orange
3	-	-	-	Natural	Natural	Orange	Natural
4	-	-	-	Green	Natural	Natural	Natural
5	-	-	-	-	Green	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	-	-

The information contained within this datasheet is for guidance only. When selecting accessories such as cleats, glands, etc please note that actual cable dimensions may vary due to manufacturing tolerances.