

# CW1308B Internal/External LSZH Telecom Cable



Eland Product Group: **A8T**

## APPLICATION

Cables primarily designed for the interconnection of telephone equipment both internally and externally. In addition these cables may be used for the interconnection of other communication and control equipment or low level signalling applications. The cable specification is further enhanced by the use of a LSZH (Low Smoke Zero Halogen) outer sheath.

## CONSTRUCTION

### Conductor

Class 1 solid copper conductor according to BS EN 60228 (previously BS 6360)

### Insulation

PVC (Polyvinyl Chloride)

### Separator

Polyester wrapping tape

### Screen

AL/PE (Aluminium/Polyethylene) tape

### Sheath

LSZH (Low Smoke Zero Halogen)

## CABLE STANDARDS

CW1308B, BS EN/IEC 60754-1



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

## CHARACTERISTICS

### Temperature Rating

0°C to +70°C

### Minimum Bending Radius

15 x overall diameter

### Sheath Colour

● Black

## DIMENSIONS

ELAND PART NO.	NO. OF PAIRS	NOMINAL DIAMETER OF CONDUCTORS mm	CONSTRUCTION	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A8TCW1308B1055L	10	0.5 + E	20PR Unit	7	98
A8TCW1308B2005L	20	0.5 + E	20PR Unit	9	155
A8TCW1308B5005L	50	0.5 + E	20PR Unit	13.5	325
A8TCW1308B7505L	75	0.5 + E	20PR Unit	16	470
A8TCW1308B8005L	80	0.5 + E	20PR Unit	16.5	495
A8TCW1308B10005	100	0.5 + E	20PR Unit	19	610
A8TCW1308B20005	200	0.5 + E	20PR Unit	25.6	1155

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

## ELECTRICAL CHARACTERISTICS

MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km	MINIMUM INSULATION RESISTANCE AT 20°C Mohms/km	MAXIMUM CAPACITANCE UNBALANCE pF/km
97.8	50	500

## PAIR IDENTIFICATION

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

Table in accordance with CW1308

MAKE-UP AND UNIT IDENTIFICATION COLOURS 16 AND 20 PAIR UNITS

Pair Size	8/10 PAIR	16/20 PAIR	32/40 PAIR	64/80 PAIR	100 PAIR	128/160 PAIR	256/320 PAIR
UNIT NO.							
Centre	½	1	4 x ½*	1	1	4 x ½	1
1st Layer	-	-	-	6 x ½	8 x ½	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

\* ½ refers to Sub-units of 8 or 10 pairs.