

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.

CONSTRUCTION

Conductor

Class 1 solid annealed copper conductor

Insulation

PVC (Polyvinyl Chloride)

Separator

PET (Polyethylene Terephthalate)

Sheath

PVC (Polyvinyl Chloride)

CABLE STANDARDS

CW1308



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

8 x overall diameter

Sheath Colour

○ White

DIMENSIONS

ELAND PART NO.	NO. OF PAIRS	NOMINAL DIAMETER OF CONDUCTORS mm	CONSTRUCTION	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A8TCW13080205RL	2	0.5	1 x 2PR	3.5	18
A8TCW13080305RL	3	0.5	1 x 3PR	4.8	27
A8TCW13080405RL	4	0.5	1 x 4PR	5.8	32
A8TCW13080605RL	6	0.5	1 x 6PR	6.8	46
A8TCW13080805RL	8	0.5	1 x 8PR	7.6	58
A8TCW13081005LS	10	0.5 + E	1 x 10PR + E	8.8	89
A8TCW13081205LS	12	0.5	1 x 12PR	9.1	85
A8TCW13081505LS	15	0.5	1 x 15PR	9.8	102
A8TCW13081605LS	16	0.5	1 x 16PR	7.9	101
A8TCW13082005LS	20	0.5 + E	1 x 20PR + E	12	150
A8TCW13082505LS	25	0.5 + E	1 x 25PR + E	11.4	160

ELAND PART NO.	NO. OF PAIRS	NOMINAL DIAMETER OF CONDUCTORS mm	CONSTRUCTION	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A8TCW13083005LS	30	0.5 + E	3 x 10PR + E	11.4	205
A8TCW13083205LS	32	0.5	4 x 8PR	12.4	200
A8TCW13084005LS	40	0.5 + E	4 x 10PR + E	15	270
A8TCW1308505LS	50	0.5 + E	5 x 10PR + E	17	330
A8TCW13086405LS	64	0.5 + E	1 x 16PR + 6 x 8PR + E	14.8	386
A8TCW13088005LS	80	0.5 + E	1 x 20PR + 6 x 10PR + E	22.5	520
A8TCW1308100LSF	100	0.5 + E	1 x 20PR + 8 x 10PR + E	27	660
A8TCW1308160LSF	160	0.5 + E	4 x 10PR + 6 x 20PR + E	30	1010
A8TCW1308320LSF	320	0.5 + E	1 x 20PR + 5 x 20PR + 10 x 20PR + E	39.5	1920

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

ELECTRICAL CHARACTERISTICS

NOMINAL DIAMETER OF CONDUCTORS mm	MINIMUM INSULATION RESISTANCE AT 20°C Mohms/km	MAXIMUM CAPACITANCE UNBALANCE pF/km
0.5	50	500

For 20 pairs and above the maximum mutual capacitance shall increase by 3nF/km

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

The above table is in accordance with BT specification CW1308.

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

Pair Size	8/10 PAIR	16/20 PAIR	32/40 PAIR	50 PAIR	64/80 PAIR	100 PAIR	128/160 PAIR	256/320 PAIR
NO. OF UNITS								
Centre	1/2	1	4 x 1/2*	5 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
COLOURS OF UNIT LAPPINGS								
UNIT NO.	8/10 PAIR	16/20 PAIR	32/40 PAIR	50 PAIR	64/80 PAIR	100 PAIR	128/160 PAIR	256/320 PAIR
1	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange
2	-	-	Green	Natural	Orange	Orange	Green	Orange
3	-	-	-	Green	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