



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.

CHARACTERISTICS

Temperature Rating

0°C to +70°C

Minimum Bending Radius

15 x overall diameter

CONSTRUCTION

Conductor

Class 1 solid copper

Insulation

PVC (Polyvinyl Chloride)

Separator

Polyester wrapping tape

Screen

Al/PE (Aluminium/Polyethylene) tape

Sheath

LSZH (Low Smoke Zero Halogen)

Sheath Colour

● Black

STANDARDS

CW 1308B, IEC/EN 60228,
Flame Retardant according to BS EN 60332-1-2
Low Smoke Halogen Free according to IEC/EN 60754-1/2,
IEC/EN 61034-1/2

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/863/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





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

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

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	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.	● 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

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.