



CW1128/1198 External Direct Burial Telephone Cable



Eland Product Group: A8T

APPLICATION

External armoured cable primarily designed for the interconnection of telephone equipment. Suitable for direct burial. UV and moisture resistant. In addition these cables may be used for interconnection of other communication and control equipment or low level signalling applications.

CHARACTERISTICS

Temperature Rating

0°C to +40°C*

*Maximum continuous temperature of standard jelly compound

Minimum Bending Radius

10 x overall diameter

CONSTRUCTION

Conductor

Class 1 solid copper

Insulation

CEL-PE (Cellular Polyethylene)

Filler

Petroleum Jelly

Separator

Paper tape (with rip cord)

Bedding

PE (Polyethylene)

Armour

GSWA (Galvanized Steel Wire Armour)

Sheath

PE (Polyethylene)

Sheath Colour

● Black

STANDARDS

BT CW 1128/1198, IEC/EN 60708-1, IEC/EN 60228

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 meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab[®] as meeting the requirements of the BSI RoHS Trusted Kitemark[™].





DIMENSIONS

ELAND PART NO.	NO. OF PAIRS	NOMINAL DIAMETER OF CONDUCTORS mm	PAIR CONFIGURATION	NOMINAL DIAMETER UNDER ARMOUR mm	NOMINAL DIAMETER OF ARMOUR mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A8TCW11280205SW	2	0.5	1 Quad	7.5	0.9	12.7	191
A8TCW11280209SW	2	0.9	1 Quad	9	0.9	14.2	308
A8TCW11280505SW	5	0.5	1 x 5 Pairs	8.0	0.9	13.2	218
A8TCW11280509SW	5	0.9	1 x 5 Pairs	11.5	0.9	16.7	379
A8TCW11281005SW	10	0.5	1 x 10 Pairs	9.5	0.9	14.7	259
A8TCW11281009SW	10	0.9	1 x 10 Pairs	14	1.25	19.9	605
A8TCW11282005SW	20	0.5	4 x 5 Pairs	12	0.9	17.2	358
A8TCW11282009SW	20	0.9	4 x 5 Pairs	18	2	24.8	1065
A8TCW11283005SW	30	0.5	3 x 10 Pairs	12.5	1.25	18.4	530
A8TCW11283009SW	30	0.9	3 x 10 Pairs	19.3	2	26.1	1424
A8TCW11285005SW	50	0.5	5 x 10 Pairs	16.5	2	23.3	851
A8TCW11285009SW	50	0.9	5 x 10 Pairs	26.5	2	34.5	2142
A8TCW112810005S	100	0.5	10 x 10 Pairs	22	2	29	1265
A8TCW112810009S	100	0.9	10 x 10 Pairs	36	2	43.4	2620

ELECTRICAL CHARACTERISTICS

NOMINAL DIAMETER OF CONDUCTORS mm	MAXIMUM CONDUCTOR RESISTANCE AT 20°C ohms/km	MINIMUM INSULATION RESISTANCE Mohms/km	MAXIMUM MUTUAL CAPACITANCE nF/km
0.5	96	1500	64
0.9	30	1500	65

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