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.

CONSTRUCTION

Conductor
Class 1 solid annealed copper conductor according to BS EN 60228 (previously BS 6360)
Resistance to CW specification

Insulation
CEL-PE (Cellular Polyethylene)

Filler
Petroleum jelly

Separator
Clupak paper tape (with rip cord)

Bedding
PE (Polyethylene) according to BS 50290-1

Armour
GSWA (Galvanized Steel Wire Armour)

Sheath
PE (Polyethylene)

Pair Identification

Quad: Orange Green White Black
1 pair: White/Blue
2 pair: White/Orange
3 pair: White/Green
4 pair: White/Brown
5 pair: White/Grey
6 pair: Red/Blue
7 pair: Red/Orange
8 pair: Red/Green
9 pair: Red/Brown
10 pair: Red/Grey

CABLE STANDARDS

BT CW1128/1198, BS EN 60228, IEC 60708-1

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 +40°C*

Minimum Bending Radius
10 x overall diameter

Sheath colour
Black

Note
*Maximum continuous temperature of standard jelly compound

Tape Lapping Identification

1 unit: Blue
2 units: Orange
3 units: Green
4 units: Brown
5 units: Grey
6 units: White
7 units: Red
8 units: Black
9 units: Yellow
10 units: Violet

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DIMENSIONS

ELAND PART NO.	NO. OF PAIRS	NOMINAL DIAMETER OF CONDUCTORS mm	PAIR CONFIGURATION	DIAMETER UNDER ARMOUR mm	ARMOUR DIAMETER 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 RESISTANCE OF CONDUCTOR 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

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