

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.

Standards

CW1308

Conductor

Class 1 solid annealed plain copper

Insulation

PVC (Polyvinyl Chloride)

Separator

PETP (Polyethylene Terephthalate)

Sheath

LSF (Low Smoke and Fume)

Sheath Colour

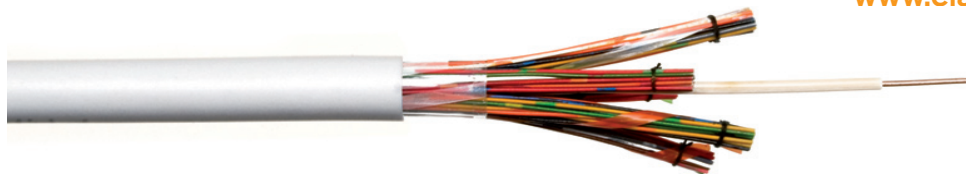
White or Black

Temperature Rating

0°C to +70°C

Minimum Bending Radius

8 x overall diameter



Dimensions

| Eland Part Number | No. of Pairs x Nominal Diameter of Conductors # x mm | Construction | Nominal Thickness of Sheath mm | Nominal Overall Diameter mm | Nominal Weight kg/Km |
|-------------------|--|---------------------------------|--------------------------------|-----------------------------|----------------------|
| A8TCW13080305LS | 3 x 0.5 | Layered Pairs | 0.65 | 5.0 | 28.0 |
| A8TCW13080405LS | 4 x 0.5 | Layered Pairs | 0.65 | 5.8 | 35.5 |
| A8TCW13080605LS | 6 x 0.5 | Layered Pairs | 0.60 | 6.8 | 43.0 |
| A8TCW13081005LS | 10 x 0.5 | Layered Pairs | 0.60 | 8.3 | 64.0 |
| A8TCW13082505LS | 25 x 0.5 | Layered Pairs | 0.80 | 11.4 | 150.0 |
| A8TCW13082005LS | 20 + E x 0.5 | 1 x 20 Pairs + E | 0.70 | 12.0 | 167.0 |
| A8TCW13085005LS | 50 + E x 0.5 | 5 x 10 Pairs + E | 1.00 | 17.0 | 300.0 |
| A8TCW1308100LSF | 100 + E x 0.5 | 1 x 20 Pairs + 8 x 10 Pairs + E | 1.50 | 27.0 | 580.0 |

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

Electrical Characteristics

| Nominal Diameter of Conductor mm | Maximum Conductor Resistance at 20°C ohms/Km | Maximum Capacitance Unbalance pF/500m |
|----------------------------------|--|---------------------------------------|
| 0.50 | 97.80 | 500.00 |

Pair Identification

| Colour Code Table CW1308 | | | | | |
|--------------------------|----------------------|----------------|-----------------|----------------------|-----------------|
| Cabling Element | 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 |

| Make-Up and Unit Identification Colours 16 & 20 Pair Units | | | | | | |
|--|--------------------------|----------|----------|----------|------------|------------|
| Pair Size | 8/10 PR | 16/20 PR | 32/40 PR | 64/80 PR | 128/160 PR | 256/320 PR |
| Number of Units | | | | | | |
| Centre | 1/2 | 1 | 4 x 1/2 | 1 | 4 x 1/2 | 1 |
| 1st Layer | - | - | - | 6 x 1/2 | 6 | 5 |
| 2nd Layer | - | - | - | - | - | 10 |
| Unit No. | Colours of Unit Lappings | | | | | |
| 1 | Orange | Orange | Orange | Orange | Orange | Orange |
| 2 | - | - | Green | Orange | Green | Orange |
| 3 | - | - | - | Natural | Orange | Natural |
| 4 | - | - | - | Green | Natural | Natural |
| 5 | - | - | - | - | 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.

Electrical Characteristics

Resistance Values (ohms per kilometre and Mohms per kilometre) and Mutual Capacitance (picofarads per metre)

| Nominal Diameter of Conductor mm | Maximum Conductor Resistance at 20°C ohms/Km | Minimum Insulation Resistance at 20°C Mohms/Km | Maximum Capacitance Unbalance pF/Km |
|-------------------------------------|--|--|--|
| 0.50 | 97.80 | 50.00 | 500.00 |
| 1.38 | 12.4 | - | - |