



✗ Cut to length

✗ Available in 10/20/25/50/100/200-Pair

✗ LS0H outer sheath

✗ 25 Year system warranty

✗ Euroclass Dca-s3-d2-a3

✗ CIBSE TM65 Embodied Carbon: 1.125 kg CO2e

## Product Overview

Excel Multipair internal/external telephone cables are constructed in a similar way to Standard CW1308 but are suitable for Internal and External use for above ground applications only and offers a UV resistant jacket. An earth conductor of 1.38 mm plain copper is included.

The print legend on the cable now includes information regarding the DOP number, Test and Classification of the cable for traceability.

## Product Specifications

| Feature                      | Values                   |
|------------------------------|--------------------------|
| Conductor surface            | Bare                     |
| Diameter of conductor        | 0.5 mm                   |
| Conductor category           | Class 1 = solid          |
| Total number of cores        | 40                       |
| Stranding element            | Pairs                    |
| Core insulation              | Polyvinyl chloride (PVC) |
| Core identification          | Colour + rings           |
| Overall screening            | None                     |
| Pair grouping identification | Bundles and layers       |
| Conductor screening          | None                     |

|   |                                 |
|---|---------------------------------|
| Protective sheath   | None                            |
| Outer sheath material   | Copolymer, thermoplastic (LSOH) |
| Outer sheath colour   | Black                           |
| Flame retardant according to IEC 60332-1-2                    | yes                             |
| Reaction-to-fire class according to EN 13501-6                | Dca                             |
| Smoke development class according to EN 13501-6               | s3                              |
| Euro class flaming droplets/particles according to EN 13501-6 | d2                              |
| Euro class acidity according to EN 13501-6                    | a3                              |
| Outer diameter approx.  | 9.78 mm                         |
| Category  | Voice                           |

### Additional specifications

| Features                     | Values                       |
|------------------------------|------------------------------|
| Conductor Diameter           | 0.50 mm Nominal              |
| Insulation (up to 25 Pairs)  | 0.85 +/- 0.005 mm            |
| Insulation (50-100 Pairs)    | 1.2 +/- 0.005 mm             |
| Insulation (200 Pairs)       | 2.0 +/- 0.005 mm             |
| Elongation                   | 18 to 24 %.                  |
| Spark Test                   | 4.5 KVDC                     |
| Conductor Resistance         | 97.80 ohms / Km at 20 deg. C |
| Capacitance Unbalance P to P | 500 pF / 500m                |

### Pair colour scheme

| Pair | A            | B            |
|------|--------------|--------------|
| 1    | WHITE-blue   | BLUE-white   |
| 2    | WHITE-orange | ORANGE-white |
| 3    | WHITE-green  | GREEN-white  |
| 4    | WHITE-brown  | BROWN-white  |
| 5    | WHITE-slate  | SLATE-white  |
| 6    | RED-blue     | BLUE-red     |
| 7    | RED-orange   | ORANGE-red   |

|    |                 |                 |
|----|-----------------|-----------------|
| 8  | RED-green       | GREEN-red       |
| 9  | RED-brown       | BROWN-red       |
| 10 | RED-slate       | SLATE-red       |
| 11 | BLACK-blue      | BLUE-black      |
| 12 | BLACK-orange    | ORANGE-black    |
| 13 | BLACK-green     | GREEN-black     |
| 14 | BLACK-brown     | BROWN-black     |
| 15 | BLACK-slate     | SLATE-black     |
| 16 | YELLOW-blue     | BLUE-yellow     |
| 17 | YELLOW-orange   | ORANGE-yellow   |
| 18 | YELLOW-green    | GREEN-yellow    |
| 19 | YELLOW-brown    | BROWN-yellow    |
| 20 | YELLOW-slate    | SLATE-yellow    |
| 21 | VIOLET - blue   | BLUE - violet   |
| 22 | VIOLET - orange | ORANGE - violet |
| 23 | VIOLET - green  | GREEN - violet  |
| 24 | VIOLET - brown  | BROWN - violet  |
| 25 | VIOLET - slate  | SLATE - violet  |

### Earth conductor specifications

| Features             | Values                       |
|----------------------|------------------------------|
| Conductor Diameter   | 1.38 mm Nominal.             |
| Insulation           | 2.70 +/- 0.05 mm             |
| Conductor Resistance | 12.40 ohms / Km at 20 deg. C |
| Insulation colour    | Cream                        |

**Binder colour scheme (50/100 pair)**

| Cables              | 50 Pair      | 100 Pair     |
|---------------------|--------------|--------------|
| Centre layer        | 5 x 10 Pairs | 1 x 20 Pairs |
| First Layer         | Orange (10p) | 8 x 10 Pairs |
| Unit Binder Colours | White (10p)  | Orange (20p) |
|                     | White (10p)  | Orange (10p) |
|                     | White (10p)  | White (10p)  |
|                     | Orange (10p) | White (10p)  |
|                     |              | Green (10p)  |

**Binder colour scheme (200 pair)**

| Cables              | 200 Pair           |
|---------------------|--------------------|
| Unit Binder Colours | White/Blue (12p)   |
|                     | White/Blue (13p)   |
|                     | White/Orange (12p) |
|                     | White/Orange (13p) |
|                     | White/Green (25p)  |
|                     | White/Brown (25p)  |
|                     | White/Slate (25p)  |
|                     | Red/Blue (25p)     |
|                     | Red/Orange (25p)   |
|                     | Red/Green (25p)    |

## Standards

| Applicable standard                        | Detail  |
|--|---|
| RoHS-II/-III (2011/65/EU & 2015/863): 2023 | Our products, demonstrate full adherence to the regulatory stipulations of the EU Directive 2011/65/EU (RoHS-II) and its corresponding delegated directive 2015/863 (RoHS-III). |
| EN 50575: 2014 + A1: 2016                  | Power, control and communication cables — Cables for general applications in construction works subject to reaction to fire requirements  |
| BS 6746:1990                               | Specification for PVC insulation and sheath of electric cables  |
| WFD: 2023                                  | Compliant to Waste Framework Directive  |
| SCIP: 2023                                 | Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products)   |
| POPs (EU) No 2019/1021                     | EU Regulation for the restriction of Persistent Organic Pollutants.   |

## Part Number Table

| Part Number  | Description   |
|--------------|---|
| TC010PE-INEX | Excel CW1308B 10 Pair+Earth Internal/External Telephone Cable Dca Per Metre Black       |
| TC020PE-INEX | Excel CW1308B 20 Pair+Earth Internal/External Telephone Cable Dca Per Metre Black       |
| TC025PE-INEX | Excel CW1308B 25 Pair+Earth Internal/External Telephone Cable Dca Per Metre Black       |
| TC050PE-INEX | Excel CW1308B 50 Pair+Earth Internal/External Telephone Cable Dca Per Metre Black       |
| TC100PE-INEX | Excel CW1308B 100 Pair+Earth Internal/External Telephone Cable Dca Per Metre Black      |
| TC200PE-INEX | Excel CW1308B 200 Pair+Earth Internal/External Telephone Cable LS0H Dca Per Metre Black |

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