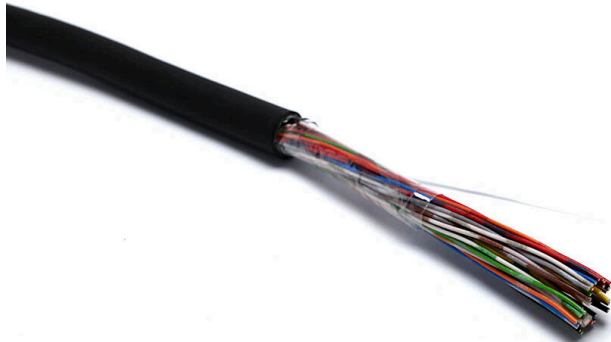


# Excel CW1128 20 Pair 1/0.50 mm External Telephone Cable Fca Per Metre Black

Item Code: TCJF5020PB



✕ Available in 5/10/20/50/100/200 pairs

✕ Cut to length

✕ UV and moisture resistant

✕ 25 Year system warranty

## Product Overview

Excel telecommunication cables are made up from conductors of solid plain copper insulated with cellular (foamed) polyethylene. These conductors are twisted into pairs and the required number of pairs are laid up into units which are identified by coloured tapes.

The cables are petroleum jelly filled and sheathed in black polyethylene, and are manufactured in accordance with BT type CW 1128.

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            |
|--|-------------------|
| Diameter of conductor                      | 0.5 mm            |
| Conductor category                         | Class 1 = solid   |
| Total number of cores                      | 40                |
| Stranding element                          | Pairs             |
| Specification core insulation              | Polyethylene (PE) |
| Core identification                        | Colour + rings    |
| Pair grouping identification               | Layers            |
| Longitudinal water blocking cable          | yes               |
| Outer sheath material                      | PE                |
| Outer sheath colour                        | Black             |
| Flame retardant according to IEC 60332-1-2 | no                |
| Low smoke (acc. IEC 61034-2)               | no                |

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|  |       |
|--|-------|
| Reaction-to-fire class according to EN 13501-6 | Fca   |
| Outer diameter approx.                         | 12 mm |
| Category                                       | Voice |

## Additional specifications

| Features                     | Values                    |
|------------------------------|---------------------------|
| Conductor Diameter           | 0.50 mm Nominal           |
| Insulation                   | 1.8 +/- 0.005 mm          |
| Elongation                   | 18 to 24 %.               |
| Spark Test                   | 4.5 KVDC                  |
| Conductor Resistance         | 96 ohms / Km at 20 deg. C |
| Capacitance Unbalance P to P | 275 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    |

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## Binder colour scheme

| Cables              | 20 Pair      | 50 Pair      | 100 Pair     |
|---------------------|--------------|--------------|--------------|
| Centre layer        | 2 x 10 Pairs | 5 x 10 Pairs | 3 x 10 Pairs |
| First Layer         |              |              | 7 x 10 Pairs |
| Unit Binder Colours | Blue (10p)   | Blue (10p)   | Blue (10p)   |
|                     | Orange (10p) | Orange (10p) | Orange (10p) |
|                     |              | Green (10p)  | Green (10p)  |
|                     |              | Brown (10p)  | Brown (10p)  |
|                     |              | Slate (10p)  | Slate (10p)  |
|                     |              |              | White (10p)  |
|                     |              |              | Red (10p)    |
|                     |              |              | Black (10p)  |
|                     |              |              | Yellow (10p) |
|                     |              |              | Violet (10p) |

## 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.   |

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## Part Number Table

| Part Number | Description  |
|-------------|--|
| TCJF5005PB  | Excel CW1128 5 Pair 1/0.50 mm External Telephone Cable Fca Per Metre Black   |
| TCJF5010PB  | Excel CW1128 10 Pair 1/0.50 mm External Telephone Cable Fca Per Metre Black  |
| TCJF5020PB  | Excel CW1128 20 Pair 1/0.50 mm External Telephone Cable Fca Per Metre Black  |
| TCJF5050PB  | Excel CW1128 50 Pair 1/0.50 mm External Telephone Cable Fca Per Metre Black  |
| TCJF5100PB  | Excel CW1128 100 Pair 1/0.50 mm External Telephone Cable Fca Per Metre Black |
| TCJF5200PB  | Excel CW1128 200 Pair 1/0.50mm External Telephone Cable Fca Per Metre Black  |

Excel is a world class premium performing end to end infrastructure solution designed, Manufactured, supported and delivered without compromise.

Contact us at [sales@excel-networking.com](mailto:sales@excel-networking.com)



E&OE. Excel is a registered trade name of Mayflex Holdings Ltd.