

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

Part Code: TCJF5020PB

sales@excel-networking.com  
excel-networking.com



## Main Features

- / Available in 5/10/20/50/100/200 pairs
- / UV and moisture resistant
- / Cut to length
- / 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

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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
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

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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

## 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)

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	<b>Green (10p)</b>	<b>Green (10p)</b>
	<b>Brown (10p)</b>	<b>Brown (10p)</b>
	<b>Slate (10p)</b>	<b>Slate (10p)</b>
		<b>White (10p)</b>
		<b>Red (10p)</b>
		<b>Black (10p)</b>
		<b>Yellow (10p)</b>
		<b>Violet (10p)</b>

## Standards

Applicable standard	Detail
Directive 2011/65/EU (RoHS II)	Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states).
Directive (EU) 2015/863 (RoHS III)	Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant.
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
Directive 2008/98/EC (WFD)	Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988).
ECHA SCIP Database	Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH.

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Regulation (EU) 2019/1021 (POPs)

EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355).

UK SI 2012 No. 3032

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019.

## Part Code Table

Part Code	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