

# Excel CW1308B 25 Pair+Earth Internal/External Telephone Cable LS0H B2ca Per Metre Black

excel  
without compromise.

Part Code: TC025PE-INEX-B2CA

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

CIBSE TM65 Embodied Carbon: 1.448 kg CO2e



## Main Features

- / Cut to length
- / Available in 10/20/25/50/100/200-Pair
- / LS0H outer sheath
- / Euroclass B2ca-s1b-d0-a1
- / 25 Year system warranty
- / CIBSE TM65 Embodied Carbon: 1.448 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

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Feature	Values
Conductor surface	<b>Bare</b>
Diameter of conductor	<b>0.5 mm</b>
Conductor category	<b>Class 1 = solid</b>
Total number of cores	<b>50</b>
Stranding element	<b>Pairs</b>
Core insulation	<b>LS0H</b>
Core identification	<b>Colour + rings</b>
Overall screening	<b>None</b>
Pair grouping identification	<b>Bundles and layers</b>
Conductor screening	<b>None</b>
Protective sheath	<b>None</b>
Outer sheath material	<b>Copolymer, thermoplastic (LS0H)</b>
Outer sheath colour	<b>Black</b>
Flame retardant according to IEC 60332-1-2	<b>yes</b>
Reaction-to-fire class according to EN 13501-6	<b>B2ca</b>
Smoke development class according to EN 13501-6	<b>s1b</b>
Euro class flaming droplets/particles according to EN 13501-6	<b>d0</b>
Euro class acidity according to EN 13501-6	<b>a1</b>
Outer diameter approx.	<b>11.55 mm</b>
Min. permitted bending radius, stationary application/permanent installation	<b>173.25 mm</b>
Category	<b>Voice</b>

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## 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

## 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

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## 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

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23	VIOLET - green	GREEN - violet
24	VIOLET - brown	BROWN - violet
25	VIOLET - slate	SLATE - violet

## Binder colour scheme

Cables	50 Pair	100 Pair	200 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/Blue (12p)
	White (10p)	Orange (10p)	White/Blue (13p)
	White (10p)	White (10p)	White/Orange (12p)
	Orange (10p)	White (10p)	White/Orange (13p)
		White (10p)	White/Green (25p)
		White (10p)	White/Brown (25p)
		White (10p)	White/Slate (25p)
		White (10p)	Red/Blue (25p)
		Green (10p)	Red/Orange (25p)
			Red/Green (25p)

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## 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.
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.

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## Part Code Table

Part Code	Description
TC010PE-INEX-B2CA	Excel CW1308B 10 Pair+Earth Internal/External Telephone Cable LS0H B2ca Per Metre Black
TC020PE-INEX-B2CA	Excel CW1308B 20 Pair+Earth Internal/External Telephone Cable LS0H B2ca Per Metre Black
TC025PE-INEX-B2CA	Excel CW1308B 25 Pair+Earth Internal/External Telephone Cable LS0H B2ca Per Metre Black
TC050PE-INEX-B2CA	Excel CW1308B 50 Pair+ Earth Internal/External Telephone Cable LS0H B2ca Per Metre Black
TC100PE-INEX-B2CA	Excel CW1308B 100 Pair+Earth Internal/External Telephone Cable LS0H B2ca Per Metre Black
TC200PE-INEX-B2CA	Excel CW1308B 200 Pair+Earth Internal/External Telephone Cable LS0H B2ca Per Metre Black