

# Excel CW1308B 50 Pair+ Earth Internal/External Telephone Cable LS0H B2ca Per Metre Black

Item Code: TC050PE-INEX-B2CA

**excel**  
without compromise.



✕ 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: 2.578 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	100
Stranding element	Pairs
Core insulation	LS0H
Core identification	Colour + rings
Overall screening	None
Pair grouping identification	Bundles and layers
Conductor screening	None
Protective sheath	None

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Outer sheath material	Copolymer, thermoplastic (LS0H)
Outer sheath colour	Black
Flame retardant according to IEC 60332-1-2	yes
Reaction-to-fire class according to EN 13501-6	B2ca
Smoke development class according to EN 13501-6	s1b
Euro class flaming droplets/particles according to EN 13501-6	d0
Euro class acidity according to EN 13501-6	a1
Outer diameter approx.	15.83 mm
Min. permitted bending radius, stationary application/permanent installation	237.45 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

## 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

**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

### 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)		

### 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
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

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.