Excel CW1308 10 Pair+Earth Internal Telephone Cable LSF Eca 100 m Reel White

Item Code: TC010PE1W-LSF

- Available in 10/20/25/32/40/50/100-Pair
- Choice of reel sizes
- Cut to length service above 20 Pair
- LSF outer sheath
- 25 Year system warranty
- Euroclass Eca

Product Overview

Excel multipair internal telephone cables are manufactured in accordance with BT type CW1308. These cores are twisted into pairs and the required number are sheathed together to form the cable. Groups of pairs are bundled together for ease of identification. An earth conductor of 1.38mm 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
Diameter of conductor	0.5 mm
Conductor category	Class 1 = solid
Total number of cores	20
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	Polyvinyl chloride (PVC)
Outer sheath colour	White
Flame retardant according to IEC 60332-1-2	yes
Reaction-to-fire class according to EN 13501-6	Eca
Outer diameter approx.	8.4 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

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)

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

Standards

Applicable standard	Detail
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

Part Number Table

Part Number	Description
TC010PE1W-LSF	Excel CW1308 10 Pair+Earth Internal Telephone Cable LSF Eca 100 m Reel White
TC020PE1W-LSF	Excel CW1308 20 Pair+Earth Internal Telephone Cable LSF Eca 100 m Reel White
TC020PEW-LSF	Excel CW1308 20 Pair+Earth Internal Telephone Cable LSF Eca Per Metre White
TC025PE1W-LSF	Excel CW1308 25 Pair+Earth Internal Telephone Cable LSF Eca 100 m Reel White
TC025PEW-LSF	Excel CW1308 25 Pair+Earth Internal Telephone Cable LSF Eca Per Metre White
TC032PEW-LSF	Excel CW1308 32 Pair+Earth Internal Telephone Cable LSF Eca Per Metre White
TC040PEW-LSF	Excel CW1308 40 Pair+Earth Internal Telephone Cable LSF Eca Per Metre White
TC050PE1W-LSF	Excel CW1308 50 Pair+Earth Internal Telephone Cable LSF Eca 100 m Reel White
TC050PE2W-LSF	Excel CW1308 50 Pair+Earth Internal Telephone Cable LSF Eca 200 m Reel White

TC050PEW-LSF	Excel CW1308 50 Pair+Earth Internal Telephone Cable LSF Eca Per Metre White
TC100PEW-LSF	Excel CW1308 100 Pair+Earth Internal Telephone Cable LSF Eca Per Metre White

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

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