

Excel CW1308 20 Pair Internal Telephone Cable LSF 200 m Reel White

Item Code: TC020P2W-LSF

excel
without compromise.



✕ Choice of reel sizes

✕ Choice of colours

✕ LSF outer sheath

✕ 0.5 mm conductor size

✕ 25 Year system warranty

✕ CIBSE TM65 Embodied Carbon: 141.895 kg CO₂e

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. These cores are twisted into pairs and the required number are sheathed together to form the cable. For 32 pair and above cables, groups of pairs, are bundled together for ease of identification.

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 |
| Core insulation | Polyvinyl chloride (PVC) |
| 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 | 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. | 11.4 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 |

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 |

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| | | |
|----|-----------------|-----------------|
| 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) | | |

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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. |

Part Number Table

| Part Number | Description |
|--------------|--|
| TC002P1W-LSF | Excel CW1308 2 Pair Internal Telephone Cable LSF 100 m Reel White |
| TC002P2W-LSF | Excel CW1308 2 Pair Internal Telephone Cable LSF 200 m Reel White |
| TC003P1B | Excel CW1308 3 Pair Internal Telephone Cable LSF 100 m Reel Black |
| TC003P1W-LSF | Excel CW1308 3 Pair Internal Telephone Cable LSF 100 m Reel White |
| TC003P2W-LSF | Excel CW1308 3 Pair Internal Telephone Cable LSF 200 m Reel White |
| TC003P5W-LSF | Excel CW1308 3 Pair Internal Telephone Cable LSF 500 m Reel White |
| TC004P1B | Excel CW1308 4 Pair Internal Telephone Cable LSF 100 m Reel Black |
| TC004P1W-LSF | Excel CW1308 4 Pair Internal Telephone Cable LSF 100 m Reel White |
| TC004P2W-LSF | Excel CW1308 4 Pair Internal Telephone Cable LSF 200 m Reel White |
| TC006P1W-LSF | Excel CW1308 6 Pair Internal Telephone Cable LSF 100 m Reel White |
| TC006P2W-LSF | Excel CW1308 6 Pair Internal Telephone Cable LSF 200 m Reel White |
| TC010P1W-LSF | Excel CW1308 10 Pair Internal Telephone Cable LSF 100 m Reel White |
| TC010P2W-LSF | Excel CW1308 10 Pair Internal Telephone Cable LSF 200 m Reel White |
| TC020P1W-LSF | Excel CW1308 20 Pair Internal Telephone Cable LSF 100 m Reel White |
| TC020P2W-LSF | Excel CW1308 20 Pair Internal Telephone Cable LSF 200 m Reel White |

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|--------------|--|
| TC020PB | Excel CW1308 20 Pair Internal Telephone Cable LSF Per Metre Black |
| TC020PW-LSF | Excel CW1308 20 Pair Internal Telephone Cable LSF Per Metre White |
| TC025P1W-LSF | Excel CW1308 25 Pair Internal Telephone Cable LSF 100 m Reel White |
| TC025P2W-LSF | Excel CW1308 25 Pair Internal Telephone Cable LSF 200 m Reel White |
| TC025PW-LSF | Excel CW1308 25 Pair Internal Telephone Cable LSF 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.