

Excel CW1308 20 Pair Internal Telephone Cable LSF Per Metre White

excel
without compromise.

Part Code: TC020PW-LSF

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

CIBSE TM65 Embodied Carbon: 0.709 kg CO2e



Main Features

- / Choice of reel sizes
- / Choice of colours
- / LSF outer sheath
- / 0.5 mm conductor size
- / 25 Year system warranty
- / CIBSE TM65 Embodied Carbon: 0.709 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

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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 |
| 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. | 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 |

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| | |
|------------------------------|------------------------------|
| 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 |
| 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 |

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| | | |
|----|-----------------|-----------------|
| 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 |
|------------------------------------|--|
| 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 |
|--------------|--|
| 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 |
| 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 |