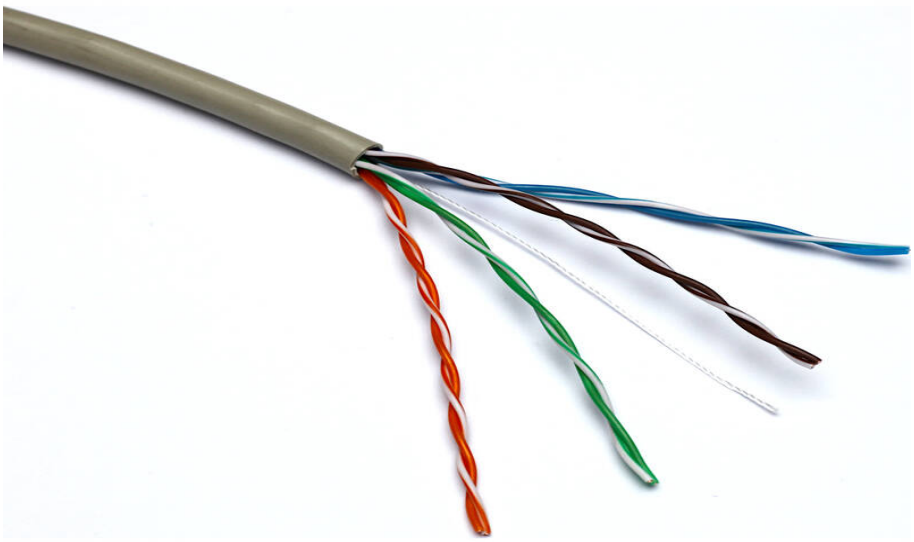
# Excel Patch Cable Cat5e U/UTP PVC 305 m Box for Patch Leads Grey

**Part Code: 100-081-305M**

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

CIBSE TM65 Embodied Carbon: 55.177 kg CO2e



## Main Features

- Cat5e Patch Lead Cable
- No Conductor Screening
- 24 AWG size conductors
- U/UTP No Overall Screening
- Outer sheath colour Grey
- Specification core insulation PE

## Product Overview

Excel Cat5e ethernet patch lead cable U/UTP PVC are manufactured and tested to ISO 11801, EN 50173 and ANSI/TIA□568□C Cat5e specifications, 305 m boxes. Each cable consists of 8 colour coded stranded copper conductors twisted together to form four pairs. The whole cable is produced in a PVC sheath and is highly flexible and easy to use.

The cable is available in many colours allowing bespoke patch leads to be made using appropriate plugs.

## Product Specifications


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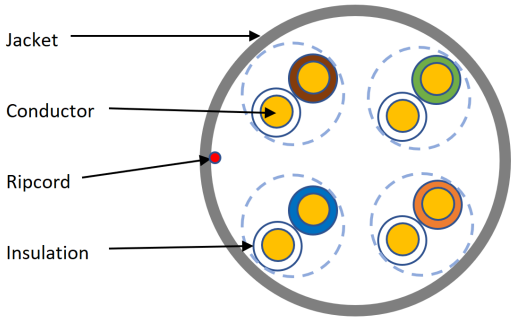
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| Feature | Values |
|---|---|
| Cable type | **U/UTP** |
| Conductor material | **Copper** |
| Conductor surface | **Bare** |
| AWG size | **24** |
| Conductor category | **Class 2 = stranded** |
| Total number of cores | **8** |
| Stranding element | **Pairs** |
| Specification core insulation | **Polyethylene (PE)** |
| Core identification | **Colour** |
| Overall screening | **None** |
| Conductor screening | **None** |
| Outer sheath material | **Polyvinyl chloride (PVC)** |
| Outer sheath colour | **Grey** |
| Flame retardant according to IEC 60332-1-2 | **yes** |
| Outer diameter approx. | **5.3 mm** |
| Category | **5E** |


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## Cross-section diagram




## Cable specifications

| Features | Values |
|---|---|
| Maximum Pulling Load | **60N/6.1KgF** |
| MBR during installation | **8x cable OD** |
| MBR installed | **4x cable OD** |
| Ripcord | **Nylon** |

## Standards

| Applicable standard | Subject |
|---|---|
| ISO/IEC 11801-1:2017 | Information technology - Generic cabling for customer premises: Part 1 General Requirements |
| IEC 61156-5:2020 | Multicore and symmetrical pair/quad cables for digital communications - Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz - |


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| | |
|---|---|
| | Horizontal floor wiring - Sectional specification |
| EN 50173-1:2018 | Information technology. Generic cabling systems - General requirements |
| EN 50173-2:2018 | Information technology. Generic cabling systems - Office premises |
| BS EN 50288-3-1:2013 | Multi-element metallic cables used in analogue and digital communication and control. Sectional specification for unscreened cables characterised up to 250 MHz |
| EN 50399:2011+A1:2016 | Common test methods for cables under fire conditions. Heat release and smoke production measurement on cables during flame spread test. Test apparatus, procedures, results |
| IEC 60332-1-2:2004 + A12:2020 | Tests on electric and optical fibre cables under fire conditions. Test for vertical flame propagation for a single insulated wire or cable. Procedure for 1 kW pre-mixed flame |
| ANSI/TIA 568-D:2015 | Balanced Twisted-Pair Telecommunications Cabling and Components Standards |
| IEC 60754-2:2014 | Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity |
| IEC 61034-2:2005+A2:2020 | Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements |
| EN 50575:2014 + A1:2016 | Power, control and communication cables — Cables for general applications in construction works subject to reaction to fire requirements |
| 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. |
| 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 |


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| | |
|---|---|
| | 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. |

## Part Code Table

| Part Code | Description |
|---|---|
| 100-081-305M | **Excel Patch Cable Cat5e U/UTP PVC 305 m Box for Patch Leads Grey** |
| 100-082-305M | **Excel Patch Cable Cat5e U/UTP PVC 305 m Box for Patch Leads Blue** |
| 100-083-305M | **Excel Patch Cable Cat5e U/UTP PVC 305 m Box for Patch Leads Green** |
| 100-084-305M | **Excel Patch Cable Cat5e U/UTP PVC 305 m Box for Patch Leads Black** |
| 100-089-305M | **Excel Patch Cable Cat5e U/UTP PVC 305 m Box for Patch Leads White** |
| 100-091-305M | **Excel Patch Cable Cat5e U/UTP PVC 305 m Box for Patch Leads Yellow** |


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