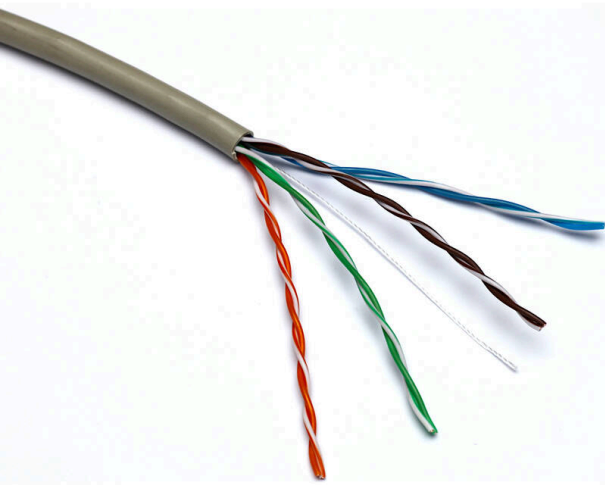


Excel Patch Cable Cat5e U/UTP PVC 305 m Box for Patch Leads Grey

Item Code: 100-081-305M



- X Cat5e Patch Lead Cable
- X U/UTP No Overall Screening
- X No Conductor Screening
- X Outer sheath colour Grey
- X 24 AWG size conductors
- X Specification core insulation PE
- X CIBSE TM65 Embodied Carbon: 55.177 kg CO2e

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

| Feature | Values |
|-------------------------------|--------------------|
| 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 |

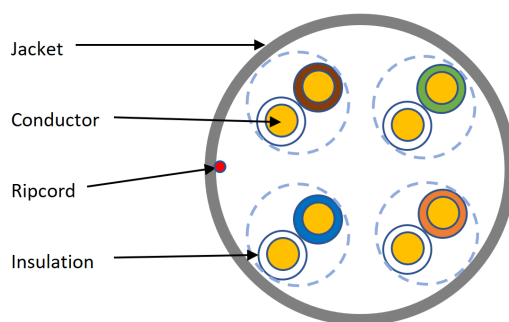
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| | |
|--|--------------------------|
| Outer sheath material | Polyvinyl chloride (PVC) |
| Outer sheath colour | Grey |
| Flame retardant according to IEC 60332-1-2 | yes |
| Outer diameter approx. | 5.3 mm |
| Category | 5E |

Cross-section diagram



Cable specifications

| Features | Values |
|-------------------------|-------------|
| Dielectric strength | 1Kv min |
| 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 |
| 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). |
| 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 |
|--------------|--|
| 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 |

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.