

✗ Cat5e Patch Lead Cable

✗ U/UTP No Overall Screening

✗ No Conductor Screening

✗ Outer sheath colour Blue

✗ 24 AWG size conductors

✗ Specification core insulation PE

✗ 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 Cat 5e specifications, 305m 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

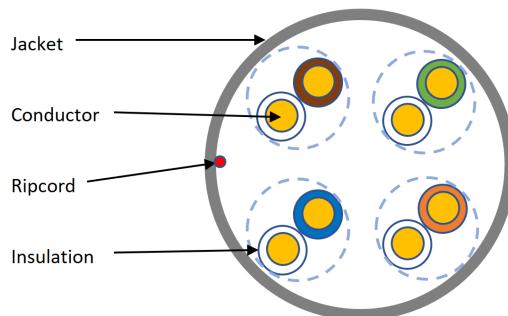
Excel Patch Cable Cat5e U/UTP PVC 305 m Box for Patch Leads Blue

Item Code: 100-082-305M

excel
without compromise.

Outer sheath material	Polyvinyl chloride (PVC)
Outer sheath colour	Blue
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.

