

✗ Cat5e Patch Lead Cable

✗ U/UTP No Overall Screening

✗ No Conductor Screening

✗ Outer sheath colour Black

✗ 24 AWG size conductors

✗ 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 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
Outer sheath material	Polyvinyl chloride (PVC)
Outer sheath colour	Black

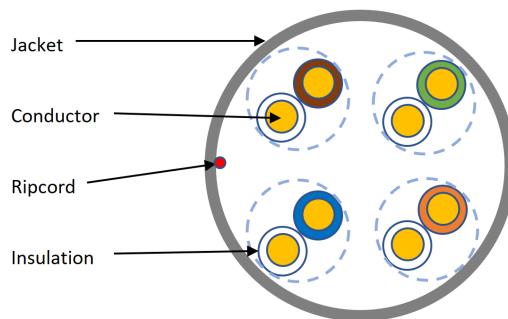
# Excel Patch Cable Cat5e U/UTP PVC 305 m Box for Patch Leads Black

Item Code: 100-084-305M

**excel**  
without compromise.

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 - Horizontal floor wiring - Sectional specification
EN 50173-1:2018	Information technology. Generic cabling systems - General requirements

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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.

## 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

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

Item Code: 100-084-305M



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](mailto:sales@excel-networking.com)

E&OE. Excel is a registered trade name of Mayflex Holdings Ltd.

