# Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305m Box White

Item Code: 100-060

**excel**
without compromise.

- Cat5e Solid Copper Cable
- U/UTP No Overall Screening
- No Conductor Screening
- Outer sheath colour White
- Reaction-to-fire class according to EN 13501-6: Dca
- Smoke development class according to EN 13501-6: s2

## Product Overview

Excel solid Cat5e ethernet cable U/UTP LSOH CPR Euroclass Dca are manufactured and tested to ISO 11801, EN 50173 and ANSI/TIA-568-C Cat 5e specifications, 100m. Each cable consists of 8 colour coded solid copper conductors twisted together to form four pairs.

The whole cable is produced in a LSOH sheath which is metre marked and labelled with part code and DoP information.
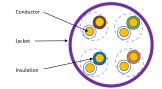
## Product Specifications

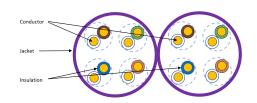| Feature | Values |
| --- | --- |
| Conductor surface | Bare |
| AWG size | 24 |
| Conductor category | Class 1 = solid |
| Total number of cores | 8 |
| Stranding element | Pairs |
| Specification core insulation | PE |
| Core identification | Colour |
| Overall screening | None |
| Conductor screening | None |
| Outer sheath material | Copolymer |

| | |
|---|---|
| Outer sheath colour | White |
| Reaction-to-fire class according to EN 13501-6 | Dca |
| Smoke development class according to EN 13501-6 | s2 |
| Euro class flaming droplets/particles according to EN 13501-6 | d2 |
| Euro class acidity according to EN 13501-6 | a2 |
| Halogen free (acc. EN 60754-1/2) | Yes |
| Flame retardant | In accordance with EN 60332-1-2 and EN 50399 |
| Low smoke (acc. BS EN 61034-2) | Yes |
| Outer diameter approx. | 5.2 mm |
| Operating Temperature Range | -20...60 °C |
| Category | 5E |
| NVP value | 70 % |

## Cross-section diagram



## Cable specifications

| Features | Values |
|---|---|
| Dielectric strength | 2.5kV for 2s |
| Maximum pulling load | 60N/6.1KgF |
| MBR during installation | 8x cable OD |
| MBR installed | 4x cable OD |

# Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305m Box White

Item Code: 100-060

## 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 |
| 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 | Compliant to the Restriction of Hazardous Substances |
| WFD | Compliant to Waste Framework Directive |
| SCIP | Compliant - Does Not Contain Substances of Concern in Products |

## Part Number Table

| Part Number | Description |
|---|---|
| 100-057 | Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305m Box Orange |
| 100-059 | Excel Solid Cat5e Cable U/UTP PVC Euroclass Eca 500m Reel Grey |
| 100-060 | Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305m Box White |
| 100-060-100 | Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 100m Box White |
| 100-061 | Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305m Box Red |
| 100-062 | Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305m Box Blue |
| 100-063 | Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305m Box Green |
| 100-064 | Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305m Box Yellow |
| 100-066 | Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305m Box Violet |
| 100-102 | Excel Dual Cat5e Cable U/UTP LSOH Euroclass Eca 500m Reel White |

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