

Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass B2ca 305 m Box White

Item Code: 190-074

excel
without compromise.



✕ Cat6 Solid Copper Cable

✕ U/UTP No Overall Screening

✕ No Conductor Screening

✕ Outer sheath colour White

✕ Reaction-to-fire class according to EN 13501-6: B2ca

✕ Smoke development class according to EN 13501-6: s1a

Product Overview

Excel solid Cat6 ethernet cable U/UTP LSOH CPR Euroclass B2ca manufactured and tested to the TIA/EIA 568-B.2-1, EN50173-1 and ISO/ IEC 11801 Cat 6 specifications, 100m, 305m or 500m. Each cable consists of 8 colour coded solid copper conductors twisted together to form four pairs.

These are then formed around a central X-shaped polyethylene centre with the whole cable produced in a LSOH sheath.

Product Specifications

| Feature | Values |
|-------------------------------|-----------------|
| Conductor surface | Bare |
| Diameter of conductor | 0.55 +/-0.01 |
| AWG size | 23 |
| Conductor category | Class 1 = solid |
| Total number of cores | 8 |
| Stranding element | Pairs |
| Core insulation | Solid HDPE |
| Specification core insulation | PE |
| Core identification | Colour |
| Overall screening | None |

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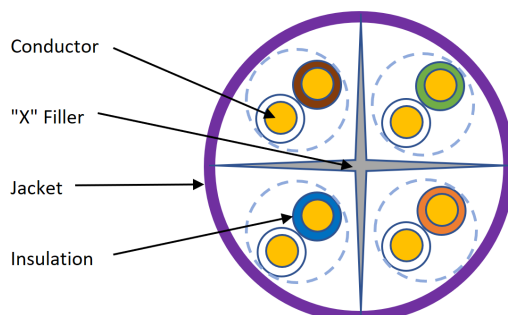


| | |
|---|--|
| Conductor screening | None |
| Outer sheath material | Copolymer, thermoplastic (LSOH) |
| Outer sheath colour | White |
| Reaction-to-fire class according to EN 13501-6 | B2ca |
| Smoke development class according to EN 13501-6 | s1a |
| Euro class flaming droplets/particles according to EN 13501-6 | d0 |
| Euro class acidity according to EN 13501-6 | a1 |
| 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. | 6.2 mm |
| Installation Temperature Range | -10...60 °C |
| Operating Temperature Range | -10...60 °C |
| Category | 6 |
| NVP value | 69 % |

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 |

Cross-section diagram



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 unshielded 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) |

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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)

Part Number Table

| Part Number | Description |
|-------------|---|
| 190-071-500 | Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR B2ca 500 m Reel Violet |
| 190-073 | Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass B2ca 305 m Box Green |
| 190-074 | Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass B2ca 305 m Box White |
| 190-074-100 | Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass B2ca 100m Box White |
| 190-075 | Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass B2ca 305 m Box Orange |

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Contact us at sales@excel-networking.com



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