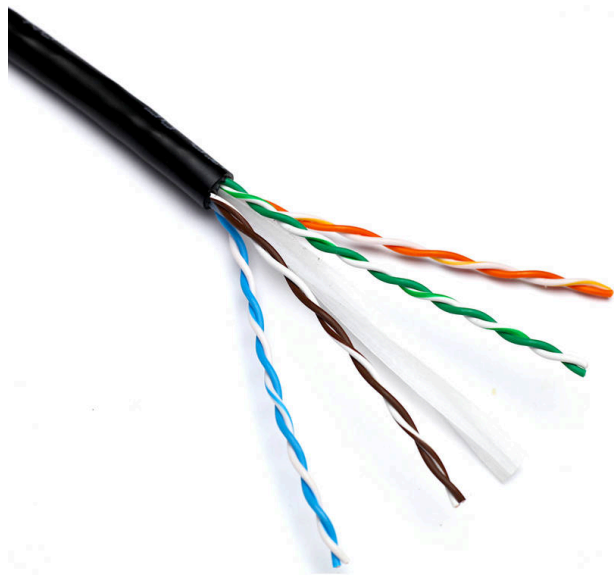


Excel Solid Cat6 Cable U/UTP PE External Grade Fca 305m Box Black

Item Code: 100-100

excel
without compromise.



✕ Cat6 External Grade Cable

✕ Duct grade

✕ No Conductor Screening

✕ Outer sheath colour Black

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

✕ 23 AWG size conductors

Product Overview

Excel Cat6 ethernet cable U/UTP PE external Grade Fca manufactured and tested to the TIA/EIA 568-B.2-1, EN50173-1 and ISO/ IEC 11801 Cat 6 specifications, sold in 305m boxes. 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 PE sheath.

Product Specifications

| Feature | Values |
|-------------------------------|-----------------|
| Conductor surface | Bare |
| AWG size | 23 |
| 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 | PE |

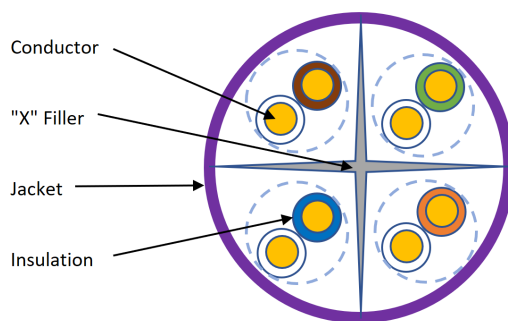
Excel Solid Cat6 Cable U/UTP PE External Grade Fca 305m Box Black

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| | |
|--|--|
| Outer sheath colour | Black |
| Reaction-to-fire class according to EN 13501-6 | Fca |
| Flame retardant | In accordance with EN 60332-1-2 and EN 50399 |
| Outer diameter approx. | 6.3 mm |
| Operating Temperature Range | -10...75 °C |
| Category | 6 |
| NVP value | 69 % |

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 |

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 |

Excel Solid Cat6 Cable U/UTP PE External Grade Fca 305m Box Black

Item Code: 100-100



Part Number Table

| Part Number | Description |
|-------------|---|
| 100-100 | Excel Solid Cat6 Cable U/UTP PE External Grade Fca 305m Box Black |

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.