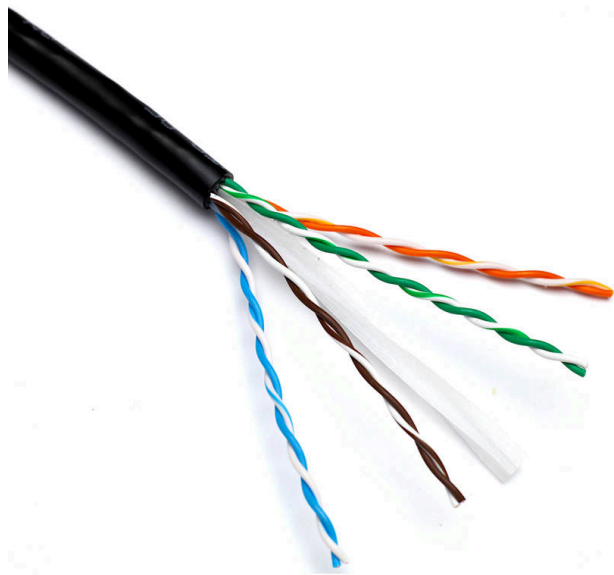


Excel Solid Cat6 Cable U/UTP PE External Grade Fca 305m Box Black

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

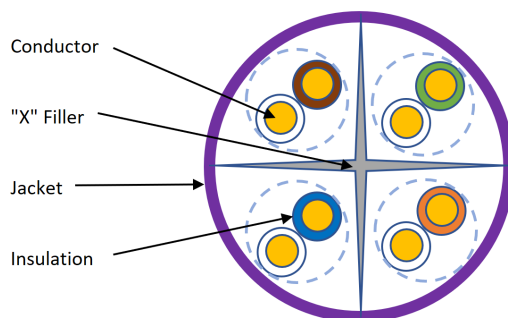
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Outer sheath colour	Black
Reaction-to-fire class according to EN 13501-6	Fca
Halogen free (acc. EN 60754-1/2)	no
Flame retardant	In accordance with EN 60332-1-2 and EN 50399
Low smoke (acc. BS EN 61034-2)	no
Outer diameter approx.	6.3 mm
Operating 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

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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

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Part Number Table

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



KKMtech Sp. z o.o. | ul Santocka 39 71083 Szczecin POLAND

T: +48 91 462 44 12 | E: biuro@kkmtech.pl | W: www.kkmtech.pl