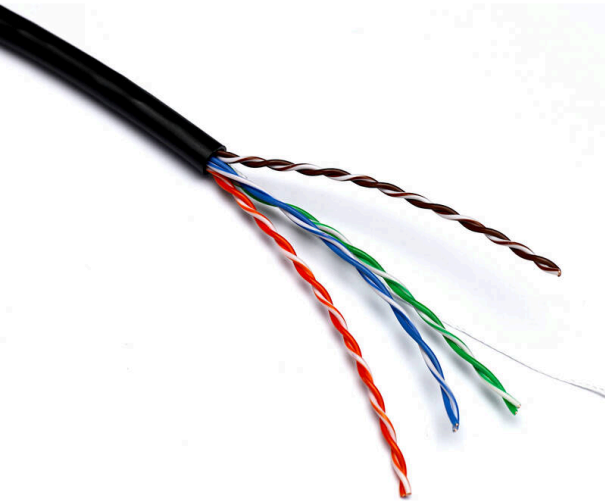


Excel Solid Cat5e Cable U/UTP PE External Grade
Fca 305 m Box Black

Item Code: 100-090



- ✕ Cat5e Solid Copper Cable
- ✕ U/UTP No Overall Screening, no conductor screening
- ✕ Outer sheath colour Black
- ✕ Reaction-to-fire class according to EN 13501-6: Fca
- ✕ 24 AWG size conductors
- ✕ UV Exposure tested in accordance with ASTM G154 & G155
- ✕ CIBSE TM65 Embodied Carbon: 50.968 kg CO2e

Product Overview

Excel Cat5e cable U/UTP PE external Grade Fca 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 solid copper polyethylene insulated conductors twisted together to form four pairs.

The whole cable is produced in a PE 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	Polyethylene (PE)
Core identification	Colour

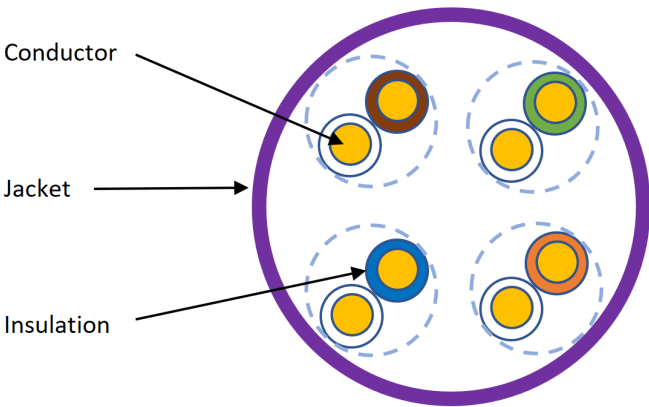
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Overall screening	None
Conductor screening	None
Outer sheath material	PE
Outer sheath colour	Black
Flame retardant according to IEC 60332-1-2	yes
Reaction-to-fire class according to EN 13501-6	Fca
Outer diameter approx.	5.2 mm
Operating Temperature Range	-20...60 °C
Category	5E
NVP value	68 %

Cross-section diagram



Cable specifications

Features	Values
Dielectric strength	2.5 kV for 2 s
Maximum pulling load	100 N
MBR during installation	8x cable OD
MBR installed	4x cable OD

Excel Solid Cat5e Cable U/UTP PE External Grade Fca 305 m Box Black

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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-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
100-090	Excel Solid Cat5e Cable U/UTP PE External Grade Fca 305 m 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.