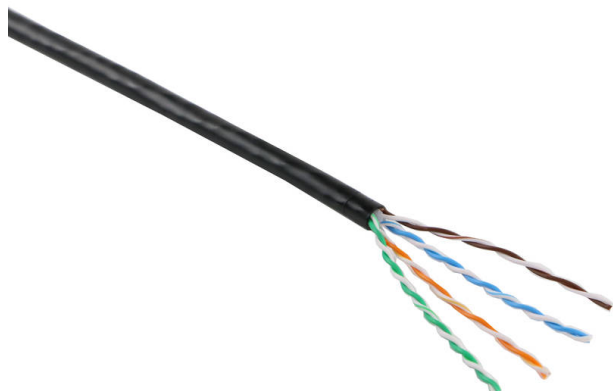


Excel Excel Category 5E Cable U/UTP External Grade Fca PE 305m Box - Black

Item Code: 100-090

excel
without compromise.



External duct grade

Supports Gigabit Ethernet

Fast feed box

Sequential metre markings

Euroclass Fca

Product Overview

Excel Category 5e Unscreened External Grade Cables are manufactured and tested to the ISO 11801, EN 50173 and ANSI/TIA-568-C standards for enhanced performance Category 5 cables. Each cable consists of 8 colour coded polyethylene insulated conductors. These are twisted together to form 4 pairs with varying lay lengths. These pairs are jacketed in a heat and UV, moisture resistant black polyethylene outer sheath, making this cable ideal for outdoor installation.

The print legend on the cable now includes information regarding the DOP number, Test and Classification of the cable for traceability.

Product Specifications

Feature	Values
Category	5E
Overall screening	None
Conductor screening	None
Outer sheath colour	Black
Reaction-to-fire class according to EN 13501-6	Fca
AWG-size	24
Specification core insulation	PE
Core identification	Colour
Outer sheath material	PE
Flame retardant	In accordance with EN 60332-1-2 and EN 50399
Outer diameter approx.	5.2 mm

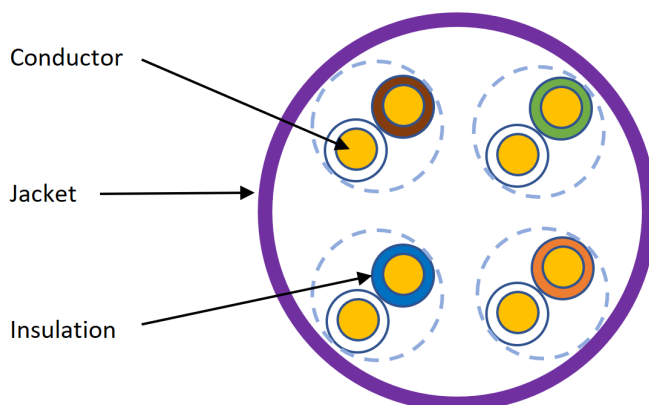
Excel Excel Category 5E Cable U/UTP External Grade Fca PE 305m Box - Black

Item Code: 100-090



Operating Temperature Range	-20...60 °C
NVP value	70 %
Conductor category	Class 1 = solid
Total number of cores	8
Stranding element	Pairs
Conductor surface	Bare

Cross-section diagram



Cable specifications

Features	Values
Dielectric strength	1200 V dc or 850 V ac
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 61156-5:2009+AMD1:2012 CSV	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 50173-1:2011	Information technology. Generic cabling systems - General requirements
EN 50173-2:2007 + A1:2010	Information technology. Generic cabling systems - Office premises
BS EN 50288-6-1:2013	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	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 568-2.D	Balanced Twisted-Pair Telecommunications Cabling and Components Standards
IEC 60754-2:2011	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 61034-2:2005+A1:2013	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	Restriction of Hazardous Substances - Compliant

Excel Excel Category 5E Cable U/UTP External Grade Fca PE 305m Box - Black

Item Code: 100-090



Part Number Table

Part Number	Description
100-090	Excel Excel Category 5E Cable U/UTP External Grade Fca PE 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



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