

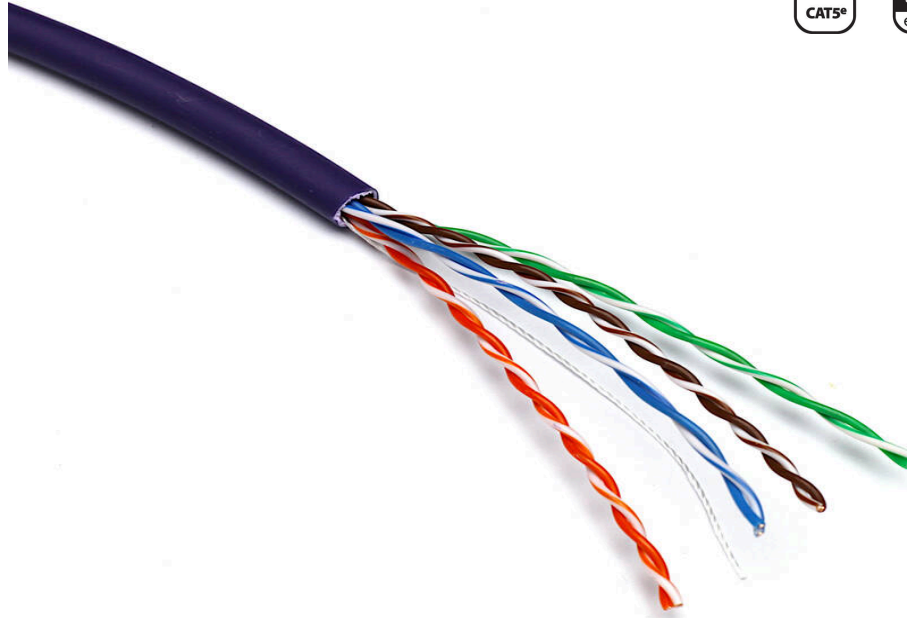
# Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305 m Box Violet

excel  
without compromise.

Part Code: 100-066

sales@excel-networking.com  
excel-networking.com

CIBSE TM65 Embodied Carbon: 54.013 kg CO2e



## Main Features

- / Cat5e Solid Copper Cable
- / U/UTP No Overall Screening
- / No Conductor Screening
- / Outer sheath colour Violet
- / Reaction-to-fire class according to EN 13501-6: Dca
- / Smoke development class according to EN 13501-6: s2

## Product Overview

Excel solid Cat5e ethernet cable U/UTP LSOH CPR Euroclass Dca 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 conductors twisted together to form four pairs.

The whole cable is produced in a LSOH sheath which is metre marked and labelled with part code and DoP information.

## Product Specifications

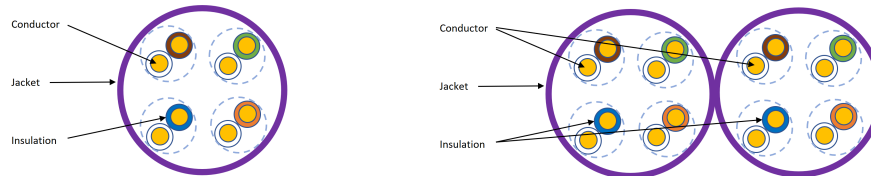
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Feature	Values
Cable type	<b>U/UTP</b>
Conductor material	<b>Copper</b>
Conductor surface	<b>Bare</b>
AWG size	<b>24</b>
Conductor category	<b>Class 1 = solid</b>
Total number of cores	<b>8</b>
Stranding element	<b>Pairs</b>
Specification core insulation	<b>Polyethylene (PE)</b>
Core identification	<b>Colour</b>
Overall screening	<b>None</b>
Conductor screening	<b>None</b>
Outer sheath material	<b>Copolymer, thermoplastic (LSOH)</b>
Outer sheath colour	<b>Violet</b>
Flame retardant according to IEC 60332-1-2	<b>yes</b>
Reaction-to-fire class according to EN 13501-6	<b>Dca</b>
Smoke development class according to EN 13501-6	<b>s2</b>
Euro class flaming droplets/particles according to EN 13501-6	<b>d2</b>
Euro class acidity according to EN 13501-6	<b>a2</b>
Outer diameter approx.	<b>5.2 mm</b>
Operating Temperature Range	<b>-20...60 °C</b>
Category	<b>5E</b>
NVP value	<b>69 %</b>

### Cross-section diagram



### Cable specifications

Features	Values
Maximum pulling load	<b>100 N</b>
MBR during installation	<b>8x cable OD</b>
MBR installed	<b>4x cable OD</b>

### 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

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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 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
Directive 2011/65/EU (RoHS II)	Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states).
Directive (EU) 2015/863 (RoHS III)	Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant.
Directive 2008/98/EC (WFD)	Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988).
ECHA SCIP Database	Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH.
Regulation (EU) 2019/1021 (POPs)	EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit)

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Regulations 2020 (SI 2020 No. 1355).

UK SI 2012 No. 3032

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019.

## Part Code Table

Part Code	Description
100-057	Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305 m Box Orange
100-059	Excel Solid Cat5e Cable U/UTP PVC Euroclass Eca 500 m Reel Grey
100-060	Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305 m Box White
100-060-100	Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 100 m Box White
100-061	Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305 m Box Red
100-062	Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305 m Box Blue
100-063	Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305 m Box Green
100-064	Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305 m Box Yellow
100-066	Excel Solid Cat5e Cable U/UTP LSOH Euroclass Dca 305 m Box Violet
100-102	Excel Dual Cat5e Cable U/UTP LSOH Euroclass Eca 500 m Reel White