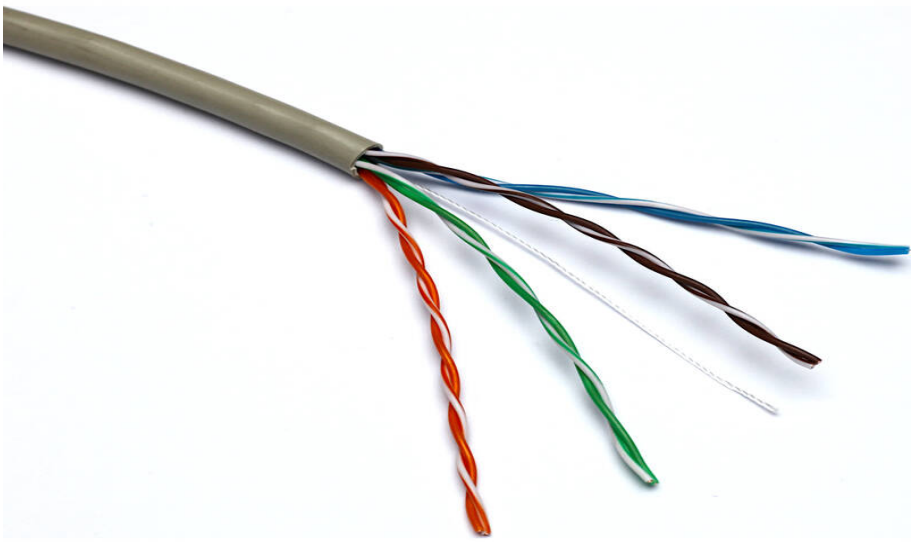
Excel Solid Cat5e Cable U/UTP PVC Euroclass Eca 500 m Reel Grey

Part Code: 100-059

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

CIBSE TM65 Embodied Carbon: 91.564 kg CO2e



Main Features

- Cat5e Solid Copper Cable
- No Conductor Screening
- Reaction-to-fire class according to EN 13501-6: Eca
- U/UTP No Overall Screening
- Outer sheath colour Grey
- 24 AWG size conductors

Product Overview

Excel solid Cat5e ethernet cable U/UTP PVC CPR Euroclass Eca are manufactured and tested to ISO 11801, EN 50173 and ANSI/TIA□568□C Cat 5e specifications, 500m. 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 PVC sheath which is metre marked and labelled with part code and DoP information.

Product Specifications

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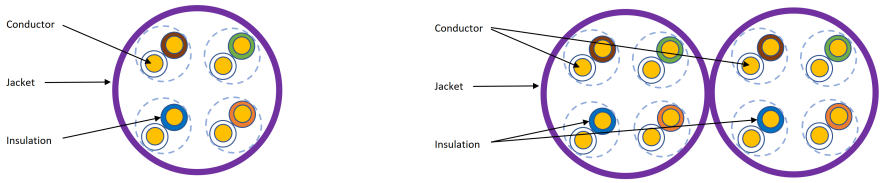
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Feature	Values
Cable type	**U/UTP**
Conductor material	**Copper**
Conductor surface	**Bare**
AWG size	**24**
Conductor category	**Class 1 = solid**
Total number of cores	**8**
Stranding element	**Pairs**
Specification core insulation	**Polyethylene (PE)**
Core identification	**Colour**
Overall screening	**None**
Conductor screening	**None**
Outer sheath material	**Polyvinyl chloride (PVC)**
Outer sheath colour	**Grey**
Flame retardant according to IEC 60332-1-2	**yes**
Reaction-to-fire class according to EN 13501-6	**Eca**
Outer diameter approx.	**5.2 mm**
Operating Temperature Range	**-10...75 °C**
Category	**5E**
NVP value	**70 %**

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Cross-section diagram



Cable specifications

Features	Values
Maximum pulling load	**100 N**
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

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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 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
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**

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