

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

Item Code: 100-217

excel
without compromise.



✕ Cat5e Solid Copper Cable

✕ F/UTP Overall Foil 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 s1

✕ CIBSE TM65 Embodied Carbon: 91.165 kg CO2e

Product Overview

Excel solid Cat5e ethernet cable F/UTP LSOH CPR Euroclass Dca are manufactured and tested to ISO 11801, EN 50173 and ANSI/TIA-568-C Cat 5e specifications, 305 m boxes. Each cable consists of 8 colour coded solid copper conductors twisted together to form four pairs. These pairs are wrapped in an aluminium mylar tape screen with a solid 24 AWG drain wire.

The whole cable is produced in a LSOH 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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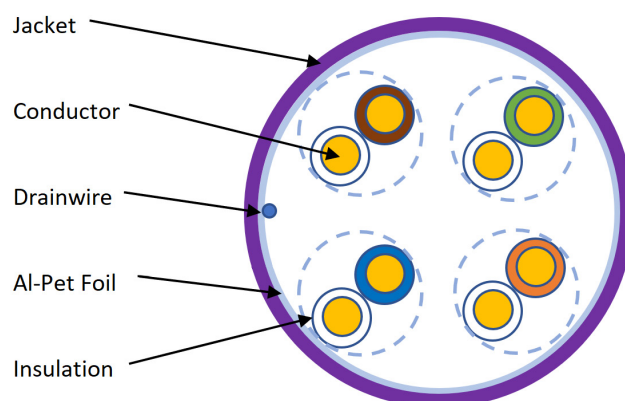


Overall screening	Foil
Conductor screening	None
Outer sheath material	Copolymer, thermoplastic (LSOH)
Outer sheath colour	Violet
Flame retardant according to IEC 60332-1-2	yes
Reaction-to-fire class according to EN 13501-6	Dca
Smoke development class according to EN 13501-6	s1a
Euro class flaming droplets/particles according to EN 13501-6	d2
Euro class acidity according to EN 13501-6	a1
Outer diameter approx.	6.4 mm
Installation Temperature Range	0...50 °C
Operating Temperature Range	-10...60 °C
Category	5E
NVP value	66.8 %

Cable specifications

Features	Values
Dielectric strength	2.5 kV for 2s
Maximum pulling load	60 N/6.1 KgF
MBR during installation	8x cable OD
MBR installed	4x cable OD

Cross-section diagram



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

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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
100-216	Excel Solid Cat5e Cable F/UTP PVC Euroclass Eca 305 m Box Grey
100-217	Excel Solid Cat5e Cable F/UTP LSOH Euroclass Dca 305 m Box Violet

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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