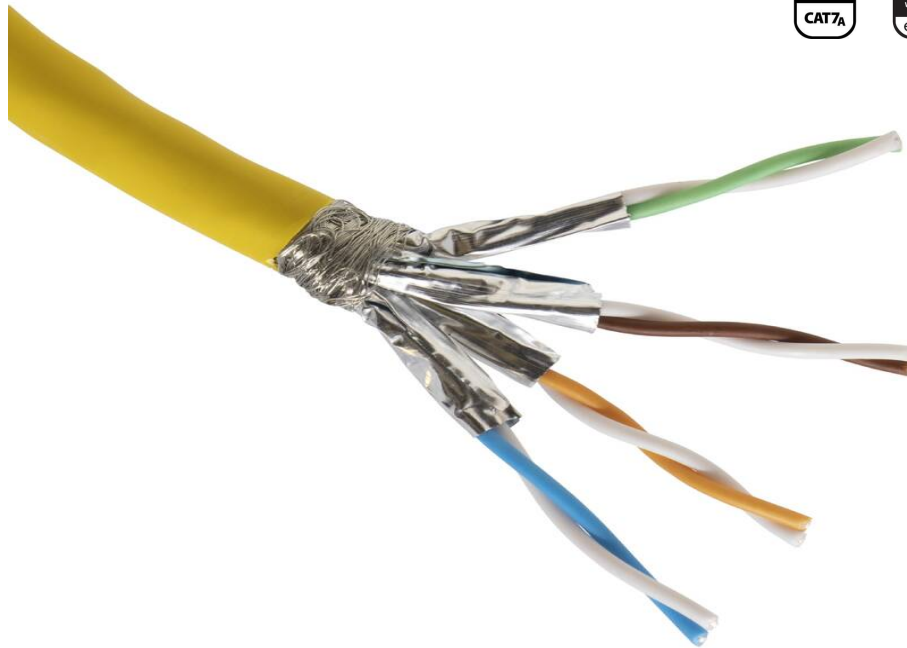


Excel Solid Cat7A Cable S/FTP LSOH Dca 500 m Reel Yellow

Part Code: 100-910

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

CIBSE TM65 Embodied Carbon: 266.250 kg CO2e



Main Features

- / Category 7A Performance to 1000 MHz
- / High performance design
- / Sequential metre markings
- / Individual foil pairs with overall braid screen
- / 25 year system warranty
- / Euroclass Dca-s2-d2-a1

Product Overview

The Excel Category 7A Screened S/FTP LSOH Cable is designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards. This delivers Class FA link and channel performance supporting all applications detailed and proposed within the standards. This superior performance cable is ETL Component Verified.

Each cable consists of 4 pairs individually wrapped in a covering of high quality, strong, aluminium/polyester foil tape providing an individual screen for each pair. These sub units are then cabled together, with the pairs set to different lay lengths to ensure optimum performance, an overall braid screen is applied to provide further immunity to outside noise and to mitigate any risk of alien cross talk.

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

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Product Specifications

Feature	Values
Cable type	S/FTP
Conductor material	Copper
Conductor surface	Bare
Diameter of conductor	0.58 mm
AWG size	23
Conductor category	Class 1 = solid
Total number of cores	8
Stranding element	Pairs
Specification core insulation	Polyethylene (PE)
Core identification	Colour
Overall screening	Braiding
Conductor screening	Foil
Outer sheath material	Copolymer, thermoplastic (LSOH)
Outer sheath colour	Yellow
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	s2
Euro class flaming droplets/particles according to EN 13501-6	d2
Euro class acidity according to EN 13501-6	a1
Outer diameter approx.	7.8 mm
Operating Temperature Range	-25...60 °C
Category	7A (IEC)

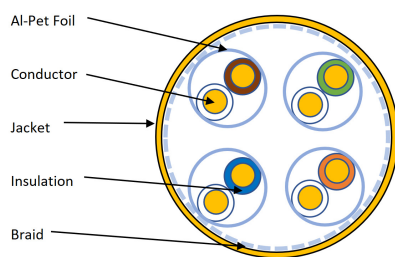
NVP value

75 %

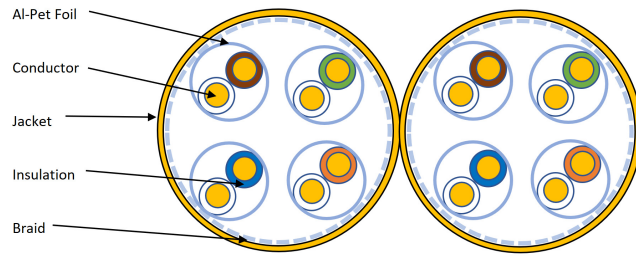
Cable specifications

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

Cross-section diagram



Single cable



Dual cable

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

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communications - Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1000 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

EN 50288-9-1:2012

Multi-element metallic cables used in analogue and digital communication and control. Sectional specification for screened cables characterised up to 1000 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).

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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) 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
100-910	Excel Solid Cat7A Cable S/FTP LSOH Dca 500 m Reel Yellow
190-910	Excel Solid Cat7A Cable S/FTP LSOH B2ca 500 m Reel Yellow