

✗ Cat6A solid copper cable

✗ F/FTP overall foil screen

✗ Outer sheath colour aqua

✗ Euroclass B2ca-s1a,d1,a1

✗ 305 m reelex Box

✗ 25 year system warranty

✗ CIBSE TM65 Embodied Carbon: 167.119 kg CO<sub>2</sub>e

## Product Overview

Excel solid Cat6A cable individually screened full F/FTP LSOH CPR Euroclass B2ca designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards and supplied on a Reelex 305 m box. Excel Cat6A fully screened (F/FTP) cable takes the performance capabilities of copper infrastructure to new levels. This delivers Class EA/Augmented Category 6A link performance over distances of up 90 m which supports the applications including 10GBASE-T, 10 Gigabit Ethernet.

Each cable consists of four pairs which are individually wrapped with a high quality, strong, aluminium/polyester foil tape providing screening for each pair. The individual pairs are set to different lay lengths to ensure optimum performance. These are then wrapped in another overall foil.

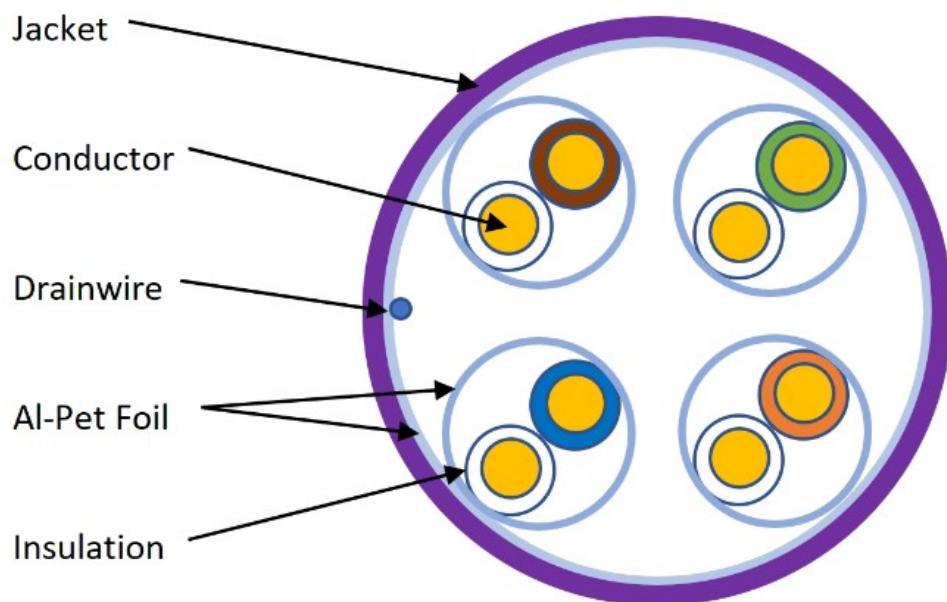
## Product Specifications

Feature	Values
Cable type	F/FTP
Conductor material	Copper
Conductor surface	Bare
AWG size	23
Conductor category	Class 1 = solid
Total number of cores	8
Stranding element	Pairs

Specification core insulation	High-Density Polyethylene (HDPE)
Core identification	Colour
Overall screening	Foil
Conductor screening	Foil
Outer sheath material	Copolymer, thermoplastic (LSOH)
Outer sheath colour	Aqua
Flame retardant according to IEC 60332-1-2	yes
Low smoke (acc. IEC 61034-2)	yes
Halogen free (acc. IEC 60754-2)	yes
Reaction-to-fire class according to EN 13501-6	B2ca
Smoke development class according to EN 13501-6	s1a
Euro class flaming droplets/particles according to EN 13501-6	d1
Euro class acidity according to EN 13501-6	a1
Outer diameter approx.	7.6 mm
Min. permitted bending radius, moving application with forced guidance	60 mm
Min. permitted bending radius, stationary application/permanent installation	30 mm
Installation Temperature Range	0...50 °C
Operating Temperature Range	-20...60 °C
Category	6A (IEC)
NVP value	76 %
Suitable for use as computer data cable	yes
Max. tensile strength during installation	100 kN

### Product drawing

### Cross-section diagram



### Standards

Applicable standard	Detail
ISO/IEC 11801:2017	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
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
IEEE 802.3bt (Type 4)	Compliant to IEEE 802.3bt (Type 4)
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 with Waste Framework Directive
SCIP: 2023	Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products)
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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
190-995	Excel Solid Cat6A Cable F/FTP LSOH CPR Euroclass B2ca 305 m Box Aqua

Excel is a world class premium performing end to end infrastructure solution designed, Manufactured, supported and delivered without compromise.

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