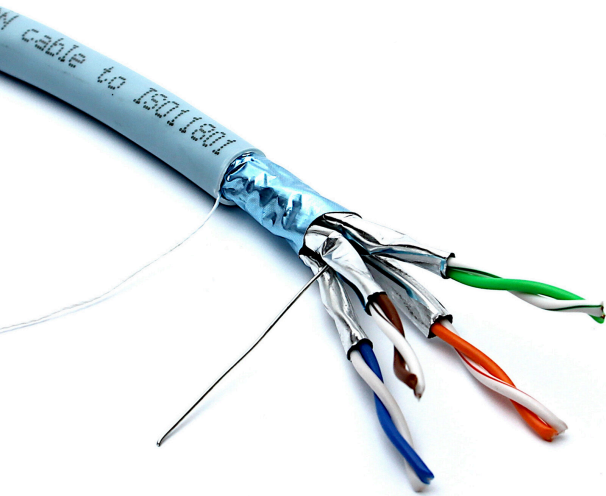


# Excel Solid Cat6A Cable F/FTP LSOH CPR Euroclass Dca 500 m Reel Aqua

Item Code: 100-996



- ✕ Cat6A solid copper cable
- ✕ F/FTP overall foil screen
- ✕ Outer sheath colour aqua
- ✕ Euroclass Dca-s2, d2, a1
- ✕ 25 Year system warranty
- ✕ CIBSE TM65 Embodied Carbon: 213.250 kg CO2e

## Product Overview

Excel solid Cat6A cable individually screened full F/FTP LSOH CPR Euroclass Dca designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards and supplied on 500 m reels. Excel Cat6A fully screened (F/FTP) Cable takes the performance capabilities of copper infrastructure to new levels.

This delivers Class EA/Augmented Category 6 link performance over distances of up to 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

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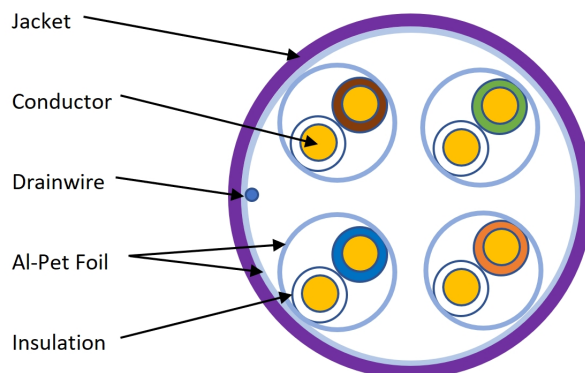
Overall screening	Foil
Conductor screening	Foil
Outer sheath material	Copolymer, thermoplastic (LSOH)
Outer sheath colour	Aqua
Flame retardant according to IEC 60332-1-2	yes
Low smoke (acc. IEC 61034-2)	yes
Halogen free (acc. IEC 60754-2)	yes
Reaction-to-fire class according to EN 13501-6	Dca
Smoke development 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.	7.6 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

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## Cross-section diagram



## Cable specifications

Features	Values
Dielectric strength	1kV for 2s
Maximum pulling load	90 N
MBR during installation	60 mm
MBR installed	30 mm

## 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.

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	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 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
100-996	Excel Solid Cat6A Cable F/FTP LSOH CPR Euroclass Dca 500 m Reel Aqua
100-996-OR	Excel Solid Cat6A Cable F/FTP LSOH CPR Euroclass Dca 500 m Reel Orange

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](mailto:sales@excel-networking.com)



E&OE. Excel is a registered trade name of Mayflex Holdings Ltd.