Excel Solid Cat6A Cable S/FTP LSOH CPR Euroclass B2ca 500m Reel White
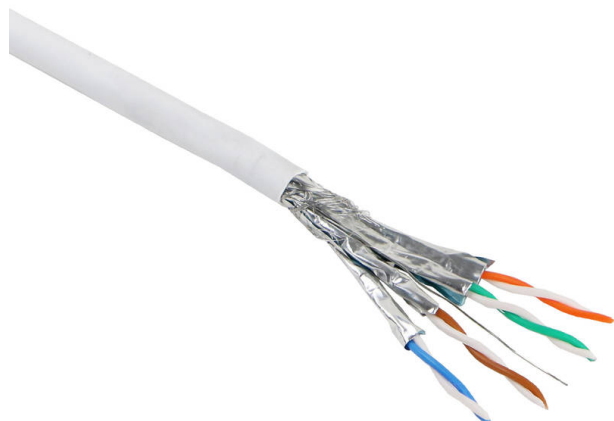
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- X Cat6a Solid Copper Cable
- X S/FTP Overall Screening
- X Foil Screen per pair
- X Outer sheath colour White
- X Reaction-to-fire class according to EN 13501-6: B2ca
- X Smoke development class according to EN 13501-6: s1a

Product Overview

Excel screened Cat6a cable S/FTP LSOH CPR Euroclass B2ca with individual foil wrapped pairs and overall foil wrap and braided screening supplied on 500m Reel. Excel Cat 6A fully screened (S/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 90 metres 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 and an overall braid screening.

Product Specifications

Feature	Values
Conductor surface	Bare
AWG size	23
Conductor category	Class 1 = solid
Total number of cores	8
Stranding element	Pairs
Specification core insulation	PE
Core identification	Colour
Overall screening	Braiding

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Conductor screening	Foil
Outer sheath material	Copolymer
Outer sheath colour	White
Reaction-to-fire class according to EN 13501-6	B2ca
Smoke development class according to EN 13501-6	s1
Euro class flaming droplets/particles according to EN 13501-6	d1
Euro class acidity according to EN 13501-6	a1
Halogen free (acc. EN 60754-1/2)	Yes
Flame retardant	In accordance with EN 60332-1-2 and EN 50399
Low smoke (acc. BS EN 61034-2)	Yes
Outer diameter approx.	7.6 mm
Operating Temperature Range	-20...70 °C
Category	6A (IEC)
NVP value	74 %

Cross-section diagram

Al-Pet Foil
Conductor
Jacket
Insulation
Braid
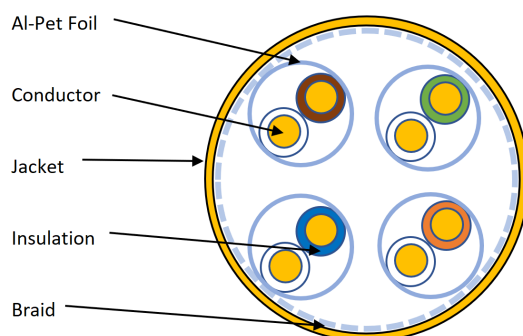
Cable specifications

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

Excel Solid Cat6A Cable S/FTP LSOH CPR Euroclass B2ca 500m Reel White

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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
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	Compliant to the Restriction of Hazardous Substances
WFD	Compliant to Waste Framework Directive
SCIP	Compliant - Does Not Contain Substances of Concern in Products

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Part Number Table

Part Number	Description
100-914	Excel Solid Cat6a Cable S/FTP LSOH CPR Euroclass Dca 500m Reel White
100-914-GRY	Excel Solid Cat6a Cable S/FTP LSOH CPR Euroclass Dca 500m Reel Grey
100-914-ORG	Excel Solid Cat6a Cable S/FTP LSOH CPR Euroclass Dca 500m Reel Orange
100-915	Excel Dual Cat6a Cable S/FTP LSOH CPR Euroclass Dca 500m Reel White
190-914	Excel Solid Cat6a Cable S/FTP LSOH CPR Euroclass B2ca 500m Reel White
190-915	Excel Category 6A Dual Cable S/FTP B2ca LS0H 500m Reel - White

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

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