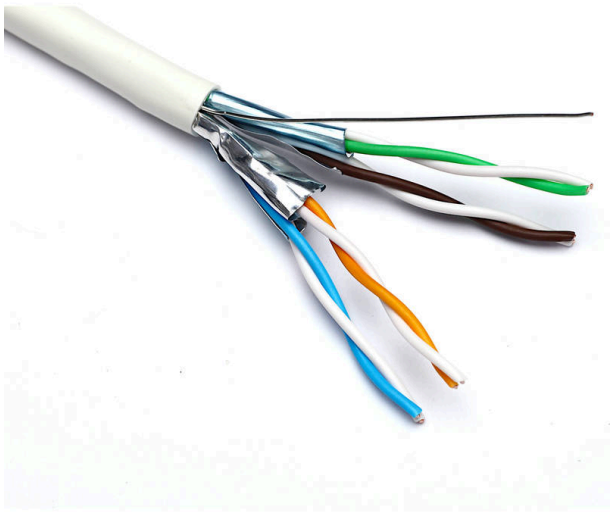
Excel Solid Cat6A Cable U/FTP S-Foil LSOH CPR Euroclass Cca 305m Reel White

Item Code: 170-191-WT-305M



- Cat6a Solid Copper Cable
- U/FTP No Overall Screening
- S Foil Screened Pairs
- Outer sheath colour White
- Reaction-to-fire class according to EN 13501-6: Cca
- Smoke development class according to EN 13501-6: s1a

Product Overview

Excel solid Cat6a cable screened U/FTP LSOH S-Foil CPR Euroclass Cca designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards and supplied on 305m Reels. Excel Cat 6A Screened (U/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.

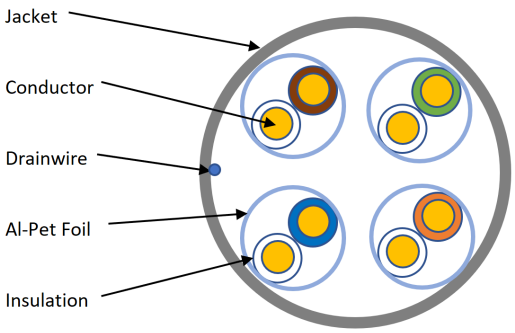
Each cable consists of two sets of two pairs are wrapped together in an ""S"" configuration with high quality, strong, aluminium/polyester foil tape providing screening for each pair. The ""S"" Foil configuration ensures separation of the pairs that ensures the performance. The individual pairs are set to different lay lengths to ensure optimum performance.

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	Polyethylene (PE)
Core identification	Colour
Overall screening	None

Conductor screening	Foil
Outer sheath material	Copolymer, thermoplastic (LS0H)
Outer sheath colour	White
Flame retardant according to IEC 60332-1-2	yes
Reaction-to-fire class according to EN 13501-6	Cca
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.	6.7 mm
Installation Temperature Range	0...60 °C
Operating Temperature Range	-20...60 °C
Category	6A (IEC)
NVP value	78 %

Cross-section diagram



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

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-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
100-191	Excel Solid Cat6A Cable U/FTP S-Foil LSOH CPR Euroclass Dca 500 m Reel Ice Blue
100-191-BK	Excel Solid Cat6a Cable U/FTP S-Foil LSOH CPR Euroclass Dca 500m Reel Black
100-191-WT-305M	Excel Solid Cat6A Cable U/FTP S-Foil LSOH CPR Euroclass Dca 305m Reel White
100-194	Excel Dual Cat6A Cable U/FTP S-Foil LSOH CPR Euroclass Dca 500 m Reel Ice Blue
100-198	Excel Solid Cat6A Cable U/FTP LSOH CPR Euroclass Dca 500m Reel White
170-191	Excel Solid Cat6A Cable U/FTP S-Foil LSOH CPR Euroclass Cca 500m Reel Ice Blue
170-191-305M	Excel Solid Cat6A Cable U/FTP S-Foil LSOH CPR Euroclass Cca 305m Reel Ice Blue
170-191-WT-305M	Excel Solid Cat6A Cable U/FTP S-Foil LSOH CPR Euroclass Cca 305m Reel White
170-194	Excel Category 6A Dual Cable U/FTP S-Foil Cca LS0H 500m Reel - Ice Blue
170-198	Excel Solid Cat6A Cable U/FTP S-Foil LSOH CPR Euroclass Cca 500m Reel White

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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