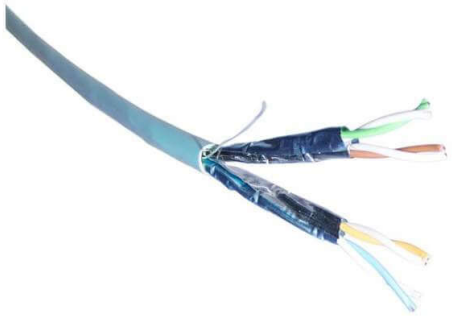
Excel Category 6A Cable U/FTP S-Foil Cca LS0H 500m Reel - Ice Blue

Item Code: 170-191



- "S" foil screen
- Specified to 500MHz
- Choice of reel size
- Sequential metre markings
- Suitable for 10 Gigabit Ethernet applications
- Euroclass Cca-s1a-d1-a1

Product overview

Excel Category 6A Screened (U/FTP) Cable takes the performance capabilities of copper infrastructure to new levels. The cable has been designed to exceed the ISO/IEC, TIA and CENELEC for Category 6A/Augmented Category 6 component requirements. 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.

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

Product specifications

Features	Values
Category	6A (IEC)
Overall screening	None
Conductor screening	Foil
Outer sheath colour	Ice Blue
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

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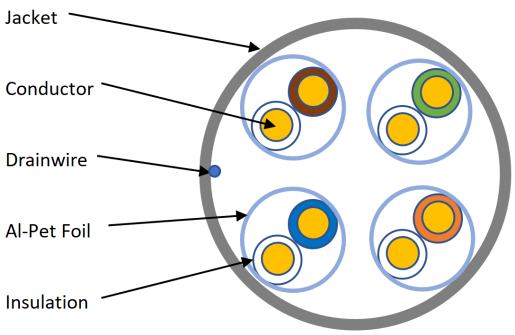
Features	Values
AWG-size	23
Specification core insulation	PE
Core identification	Colour
Outer sheath material	Copolymer, thermoplastic (LS0H)
Halogen free (acc. EN 60754-1/2)	yes
Flame retardant	In accordance with EN 60332-1-2 and EN 50399
Low smoke (acc. BS EN 61034-2)	yes
Outer diameter approx.	6.7 mm
Installation Temperature Range	0 to 60 °C
Operating Temperature Range	-20 to 60 °C
NVP value	76 %
Conductor category	Class 1 = solid
Total number of cores	8
Stranding element	Pairs
Conductor surface	Bare

Cross-section diagram



Cable specifications

Features	Values
Dielectric strength	1200 V dc or 850 V ac
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 61156-5:2009+AMD1:2012 CSV	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 50173-1:2011	Information technology. Generic cabling systems - General requirements
EN 50173-2:2007 + A1:2010	Information technology. Generic cabling systems - Office premises
BS EN 50288-3-1:2013	Multi-element metallic cables used in analogue and digital communication and controlSectional specification for unscreened cables characterised up to 100 MHz. Horizontal and building backbone cables
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	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 568-2.D	Balanced Twisted-Pair Telecommunications Cabling and Components Standards
IEC 60754-2:2011	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 61034-2:2005+A1:2013	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	Restriction of Hazardous Substances - Compliant

Part number table

Part Number	Description
100-191	Excel Category 6A Cable U/FTP S-Foil LS0H Dca 500m Reel - Ice Blue
100-191-305M	Excel Category 6A Cable U/FTP S-Foil Dca LS0H 305m Box - Ice Blue
100-191-WT-305M	Excel Category 6A Cable U/FTP S-Foil Dca LS0H 305m Box - White
100-194	Excel Category 6A Dual Cable U/FTP S-Foil Dca LS0H 500m Reel - Ice Blue
170-191	Excel Category 6A Cable U/FTP S-Foil Cca LS0H 500m Reel - Ice Blue

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Part Number	Description
170-191-305M	Excel Category 6A Cable U/FTP S-Foil Cca LS0H 305m Box - Blue
170-191-WT-305M	Excel Category 6A Cable U/FTP S-Foil Cca LS0H 305m Box - White
170-194	Excel Category 6A Dual Cable U/FTP S-Foil Cca LS0H 500m Reel - Blue
190-191	Excel Category 6A Cable U/FTP S-Foil B2ca LS0H 500m Reel - Ice Blue
190-191-305M	Excel Category 6A Cable U/FTP S-Foil B2ca LS0H 305m Box - Blue
190-191-WT-305M	Excel Category 6A Cable U/FTP S-Foil B2ca LS0H 305m Box - 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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