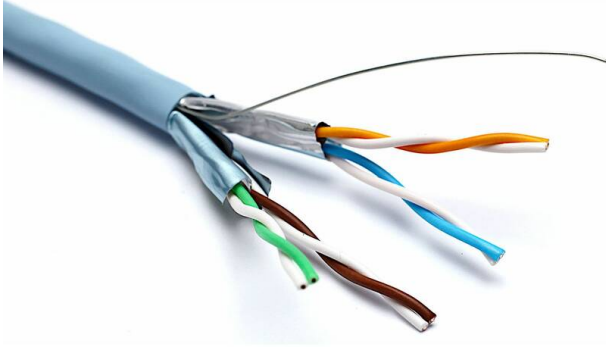


Excel Solid Cat6A Cable U/FTP S-Foil LSOH CPR Euroclass Dca 500 m Reel Ice Blue

Item Code: 100-191

excel
without compromise.



✕ Cat6A solid copper cable

✕ U/FTP no overall screening

✕ S-Foil screened pairs

✕ Outer sheath colour ice blue

✕ Reaction-to-fire class according to EN 13501-6: Dca

✕ Smoke development class according to EN 13501-6: s2

Product Overview

Excel solid Cat6A cable screened U/FTP LSOH S-Foil CPR Euroclass Dca designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards and supplied on 500 m Reels. Excel Cat6A 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 to 90 metres which supports the applications including 10GBASE-T, 10 Gigabit Ethernet.

Each cable consists of two sets of two pairs wrapped together in an "S" configuration with high quality, strong, aluminium/polyester foil tape providing screening for each pair.

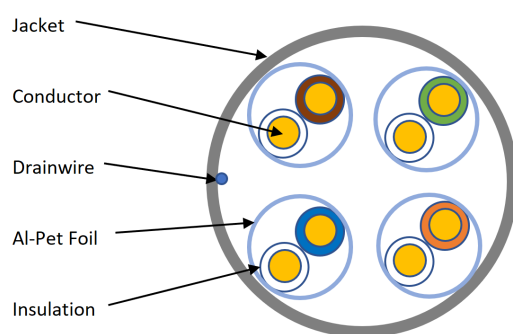
The "S" foil configuration ensures separation of the pairs that ensures the performance. The individual pairs are set to different lay lengths to ensure optimum performance.

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 (LSOH) |
| Outer sheath colour | Ice blue |
| Flame retardant according to IEC 60332-1-2 | 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. | 6.7 mm |
| Installation Temperature Range | 0...60 °C |
| Operating Temperature Range | -20...60 °C |
| Category | 6A (IEC) |
| NVP value | 78.8 % |

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. |

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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 LSOH 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



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