

Excel Solid Cat6A Cable U/FTP LSOH CPR Euroclass B2ca 500m Reel Ice Blue

Item Code: 190-191

excel
without compromise.



✕ Cat6A solid copper cable

✕ U/FTP no overall screening

✕ Foil screen per pair

✕ Outer sheath colour ice blue

✕ Reaction-to-fire class according to EN 13501-6: B2ca

✕ Smoke development class according to EN 13501-6: s1a

Product Overview

Excel solid Cat6A cable individually screened full U/FTP LSOH CPR Euroclass B2ca designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards and supplied on 500 m Reel. Excel Cat6A fully 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 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.

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 |

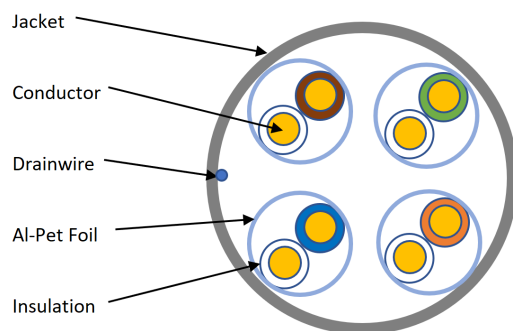
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| | |
|---|--|
| Overall screening | None |
| Conductor screening | Foil |
| Outer sheath material | Copolymer, thermoplastic (LSOH) |
| Outer sheath colour | Ice blue |
| Reaction-to-fire class according to EN 13501-6 | B2ca |
| Smoke development 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 |
| 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. | 7.4 mm |
| Installation Temperature Range | 0...60 °C |
| Operating Temperature Range | -20...60 °C |
| Category | 6A (IEC) |
| NVP value | 76 % |

Cross-section diagram



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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 |

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general applications in construction works subject to reaction to fire requirements

| | |
|-----------------------|--|
| IEEE 802.3bt (Type 4) | Compliant to IEEE 802.3bt (Type 4) |
| RoHS | Compliant to the Restriction of Hazardous Substances |
| WFD | Compliant to Waste Framework Directive |
| SCIP | Compliant - Does Not Contain Substances of Concern in Products |

Part Number Table

| Part Number | Description |
|-----------------|--|
| 190-191 | Excel Solid Cat6A Cable U/FTP LSOH CPR Euroclass B2ca 500m Reel Ice Blue |
| 190-191-305M | Excel Solid Cat6A Cable U/FTP LSOH CPR Euroclass B2ca 305m Box Ice Blue |
| 190-191-OR-305M | Excel Solid Cat6A Cable U/FTP LSOH CPR Euroclass B2ca 305m Box Orange |
| 190-191-WT-305M | Excel Solid Cat6A Cable U/FTP LSOH CPR Euroclass B2ca 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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