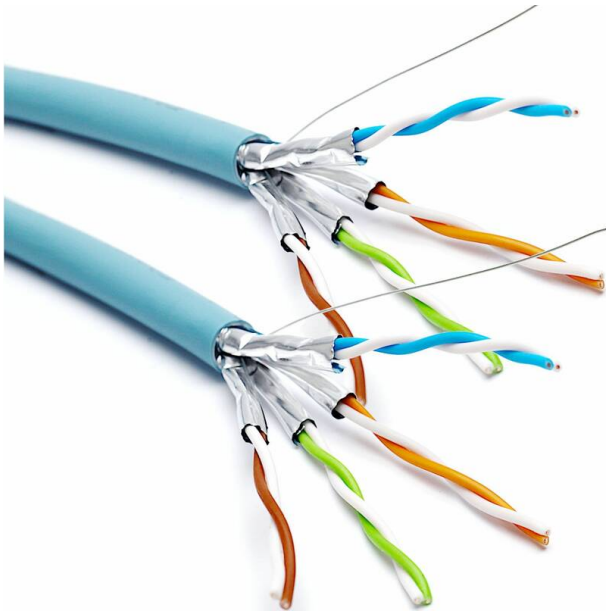


Excel Dual Cat6A Cable F/FTP LSOH CPR Euroclass Dca 500 m Reel Aqua

Item Code: 100-206

excel
without compromise.



✕ Dual Cat6a Copper Cable

✕ F/FTP Overall Foil Screen

✕ Foil Screen per pair

✕ Outer sheath colour aqua

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

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

✕ CIBSE TM65 Embodied Carbon: 498.577 kg CO2e

Product Overview

Excel dual Cat6a cable individually screened full F/FTP LSOH CPR Euroclass Dca designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards and supplied on 500 m reel. Excel Cat 6A fully screened (F/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. These are then wrapped in another overall foil.

Product Specifications

| Feature | Values |
|-----------------------|-----------------|
| Conductor surface | Bare |
| AWG size | 23 |
| Conductor category | Class 1 = solid |
| Total number of cores | 16 |
| Stranding element | Pairs |

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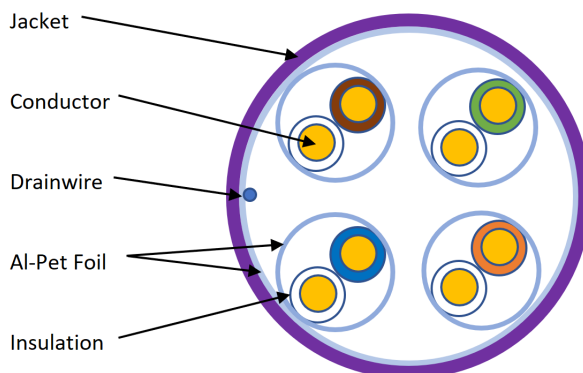


| | |
|---|---------------------------------|
| Specification core insulation | Polyethylene (PE) |
| Core identification | Colour |
| Overall screening | Foil |
| Conductor screening | Foil |
| Outer sheath material | Copolymer, thermoplastic (LSOH) |
| Outer sheath colour | Aqua |
| Flame retardant 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. | 7.4+/- 0.20x2 |
| Installation Temperature Range | 0...60 °C |
| Operating Temperature Range | -20...60 °C |
| Category | 6A (IEC) |
| NVP value | 76 % |

Cable specifications

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

Cross-section diagram



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 unshielded 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 |

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| | |
|--|---|
| 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 |
| IEEE 802.3bt (Type 4) | Compliant to IEEE 802.3bt (Type 4) |
| 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 |
|-------------|---|
| 100-206 | Excel Dual Cat6A Cable F/FTP LSOH CPR Euroclass Dca 500 m Reel Aqua |

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.