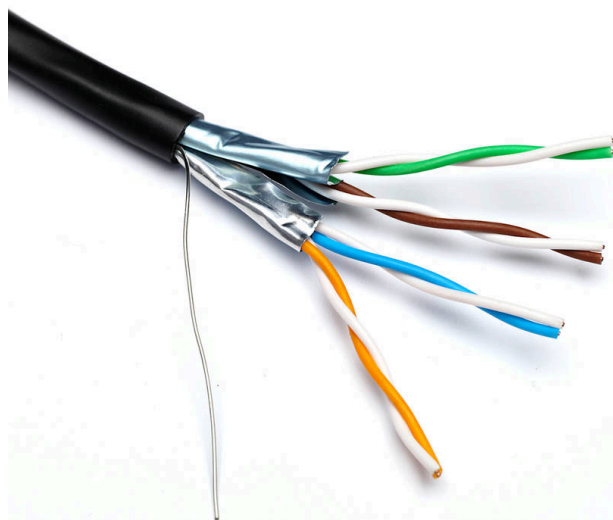


# Excel Solid Cat6A Cable U/FTP S-Foil PE External Grade Fca 500m Black

Item Code: 100-980

**excel**  
without compromise.



✕ Cat6a Solid Copper Cable

✕ U/FTP No Overall Screening

✕ S Foil Screened Pairs

✕ Outer sheath colour Black

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

✕ 23 AWG size conductors

## Product Overview

Excel Cat6a cable screened U/FTP PE S-Foil external Grade Fca designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards and supplied on 500m 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 to 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            |
| Diameter of conductor         | 0.56 mm         |
| AWG size                      | 23              |
| Conductor category            | Class 1 = solid |
| Total number of cores         | 8               |
| Stranding element             | Pairs           |
| Specification core insulation | PE              |
| Core identification           | Colour          |

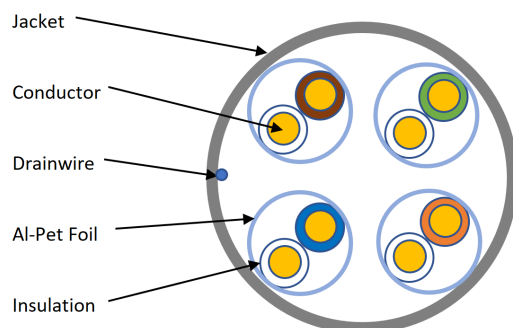
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|  |  |
|--|--|
| Overall screening                              | None   |
| Conductor screening                            | Foil   |
| Outer sheath material                          | PE   |
| Outer sheath colour                            | Black  |
| Reaction-to-fire class according to EN 13501-6 | Fca  |
| Halogen free (acc. EN 60754-1/2)               | no   |
| Flame retardant                                | In accordance with EN 60332-1-2 and EN 50399 |
| Low smoke (acc. BS EN 61034-2)                 | no   |
| Outer diameter approx.                         | 6.75 mm                                      |
| Installation Temperature Range                 | -10...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  |

# Excel Solid Cat6A Cable U/FTP S-Foil PE External Grade Fca 500m Black

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## 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                          | Compliant to the Restriction of Hazardous Substances   |
| WFD                           | Compliant to Waste Framework Directive   |
| SCIP                          | Compliant - Does Not Contain Substances of Concern in Products   |

# Excel Solid Cat6A Cable U/FTP S-Foil PE External Grade Fca 500m Black

Item Code: 100-980



## Part Number Table

| Part Number | Description   |
|-------------|---|
| 100-980     | Excel Solid Cat6A Cable U/FTP S-Foil PE External Grade Fca 500m Black |

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](mailto:sales@excel-networking.com)



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