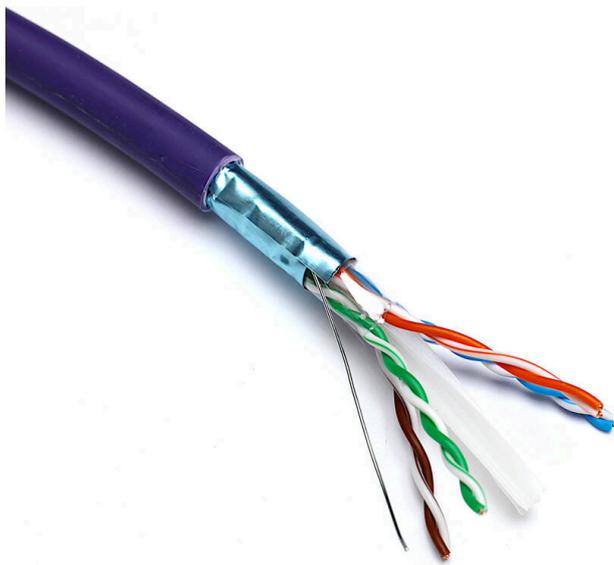


# Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass B2ca 305 m Reel Violet

Item Code: 190-076

**excel**  
without compromise.



Cat6 solid copper cable

F/UTP overall foil screening

No conductor screening

Outer sheath colour: Violet

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

Smoke development class according to EN 13501-6: s1a

CIBSE TM65 Embodied Carbon: 132.584 kg CO2e

## Product Overview

Excel solid Cat6 ethernet cable F/UTP LSOH CPR Euroclass B2ca manufactured and tested to the TIA/EIA 568-B.2-1, EN50173-1 and ISO/ IEC 11801 Cat 6 specifications, 305 m or 500 m. Each cable consists of 8 colour coded solid copper conductors twisted together to form four pairs.

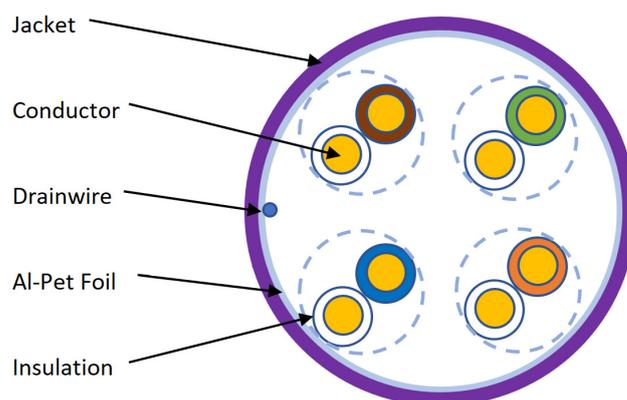
These are then formed around a central X-shaped polyethylene centre with the whole cable produced in a LSOH sheath.

## 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   | Foil                            |
| Conductor screening   | None                            |
| Outer sheath material   | Copolymer, thermoplastic (LSOH) |
| Outer sheath colour   | Violet                          |
| Flame retardant according to IEC 60332-1-2                    | yes                             |
| 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                              |
| Outer diameter approx.  | 7.6 mm                          |
| Installation Temperature Range                                | 0...50 °C                       |
| Operating Temperature Range                                   | -10...60 °C                     |
| Category  | 6                               |
| NVP value   | 70 %                            |

### Cross-section diagram



## Cable specifications

| Features                | Values      |
|-------------------------|-------------|
| Maximum pulling load    | 100 N       |
| 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 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   |
| 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   |

# Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass B2ca 305 m Reel Violet

Item Code: 190-076



|                                    |  |
|------------------------------------|--|
| Directive 2011/65/EU (RoHS II)     | Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states).   |
| Directive (EU) 2015/863 (RoHS III) | Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant.   |
| Directive 2008/98/EC (WFD)         | Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988).   |
| ECHA SCIP Database                 | Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH.  |
| Regulation (EU) 2019/1021 (POPs)   | EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355).   |
| UK SI 2012 No. 3032                | The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019. |

## Part Number Table

| Part Number      | Description   |
|------------------|---|
| 100-076          | Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass Dca 305 m Reel Violet           |
| 100-076/LTGN-500 | Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass Dca 500 m Reel Light Green      |
| 100-076-1000     | Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass Dca 1000m Reel Violet           |
| 100-076-305M-GN  | Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass Dca 305 m Box EasyReel Green    |
| 100-077/LTGN     | Excel Solid Cat6 Dual Cable F/UTP LSOH CPR Euroclass Dca 500 m Reel Light Green |
| 190-076          | Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass B2ca 305 m Reel Violet          |
| 190-076-305M-GN  | Excel Category 6 Cable F/UTP B2ca LSOH 305m Easyreel Box - Green                |
| 190-076-500      | Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass B2ca 500 m Reel Violet          |

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.