

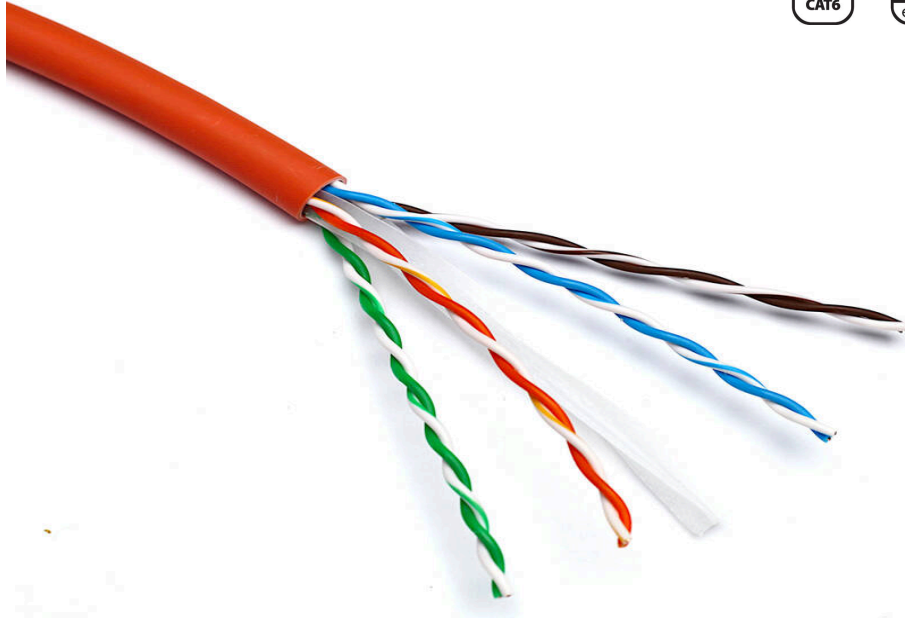
Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass B2ca 305 m Box Orange

excel
without compromise.

Part Code: 190-075

sales@excel-networking.com
excel-networking.com

CIBSE TM65 Embodied Carbon: 96.387 kg CO2e



Main Features

- / Cat6 solid copper cable
- / U/UTP no overall screening
- / No conductor screening
- / Outer sheath colour: orange
- / Reaction-to-fire class according to EN 13501-6: B2ca
- / Smoke development class according to EN 13501-6: s1a

Product Overview

Excel solid Cat6 ethernet cable U/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

Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass B2ca 305 m Box Orange

Part Code: 190-075

sales@excel-networking.com
excel-networking.com

| Feature | Values |
|---|--|
| Cable type | U/UTP |
| Conductor material | Copper |
| Conductor surface | Bare |
| Diameter of conductor | 0.55 +/-0.01 |
| AWG size | 23 |
| Conductor category | Class 1 = solid |
| Total number of cores | 8 |
| Stranding element | Pairs |
| Core insulation | Solid HDPE |
| Specification core insulation | Polyethylene (PE) |
| Core identification | Colour |
| Overall screening | None |
| Conductor screening | None |
| Outer sheath material | Copolymer, thermoplastic (LSOH) |
| Outer sheath colour | Orange |
| 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 | d0 |
| Euro class acidity according to EN 13501-6 | a1 |
| Outer diameter approx. | 6.2 mm |
| Installation Temperature Range | -10...60 °C |
| Operating Temperature Range | -10...60 °C |

Part Code: 190-075

sales@excel-networking.com
excel-networking.com

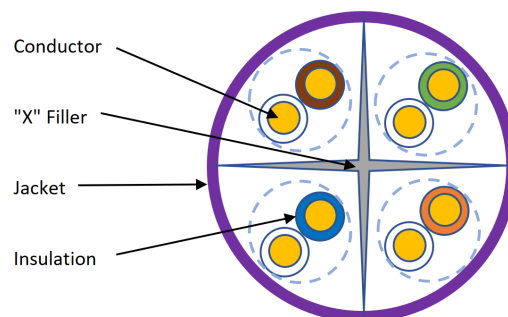
Category 6

NVP value 69 %

Cable specifications

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

Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass B2ca 305 m Box Orange

Part Code: 190-075

sales@excel-networking.com
excel-networking.com

| | |
|------------------------------------|--|
| IEEE 802.3bt (Type 4) | Compliant to IEEE 802.3bt (Type 4) |
| 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 Code Table

| Part Code | Description |
|-------------|---|
| 190-071 | Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass B2ca 305 m Box Violet |
| 190-071-500 | Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass B2ca 500 m Reel Violet |
| 190-073 | Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass B2ca 305 m Box Green |
| 190-074 | Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass B2ca 305 m Box |

Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass
B2ca 305 m Box Orange

Part Code: 190-075

sales@excel-networking.com
excel-networking.com

White

| | |
|-------------|--|
| 190-074-100 | Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass B2ca 100 m Box White |
| 190-075 | Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass B2ca 305 m Box Orange |
| 190-078 | Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass B2ca 305 m Box Black |
| 190-097 | Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass B2ca 305 m Box Red |
| 190-098 | Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass B2ca 305 m Box Blue |
| 190-099 | Excel Solid Cat6 Cable U/UTP 23AWG LSOH CPR Euroclass B2ca 305 m Box Yellow |