

# Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 3 m Grey

Item Code: 103-223

**excel**  
without compromise.



✕ 28AWG Cat6A high flexibility

✕ Suitable for 10 Gigabit 10GBase-T applications

✕ Supports PoE++ applications

✕ Individual foil screen over each pair

✕ Suitable for screened or unscreened installations

✕ 4.80 mm reduced diameter cable

✕ CIBSE TM65 Embodied Carbon: 0.702 kg CO2e

## Product Overview

Excel 28AWG Cat6A mini patch leads take the performance capabilities of copper infrastructure to new levels. Designed to the current ISO and EIA/TIA standards for Class EA/Augmented Category 6A performance these products are intended to deliver reliable, high network performance including support of 10GBase-T, 10 Gigabit Ethernet and PoE++.

Each Excel Category 6A patch lead consists of 4 twisted pairs of 28AWG stranded copper wires, with an aluminium/polyester foil screen making them suitable for screened or unscreened installations. These pairs are then cabled together, with different lay lengths to ensure optimum performance.

Staggered pin RJ45 screened plugs, terminate the cable, and each lead is fitted with colour coded slimline moulded boots with small new design plug unique to excel making them a great patch chord for use in high density patching with better airflow and tidier installations.

## Product Specifications

| Feature                        | Values    |
|--------------------------------|-----------|
| Category                       | 6A (IEC)  |
| Length                         | 3 m       |
| Type of connector connection 1 | RJ45 8(8) |
| Type of connector connection 2 | RJ45 8(8) |

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|                           |            |
|---------------------------|------------|
| Outer sheath colour       | Grey       |
| Strain relief boot        | Moulded-on |
| Lockable                  | no         |
| Strain relief boot colour | Grey       |
| Flame retardant version   | yes        |
| Cable construction        | 1x4        |
| AWG-size                  | 28         |
| Pin assignment            | 1:1        |

## Product drawing



## Standards

| Applicable standard | Detail   |
|---------------------|--|
| ISO/IEC 11801:2017  | Information technology - Generic cabling for customer premises: Part 1 General requirements  |
| EN 50173-2:2018     | Information technology - Generic cabling systems - General requirements  |
| ANSI/TIA 568-D      | Balanced twisted-pair telecommunications cabling and components standards  |
| IEC 61156-6:2020    | Multicore and symmetrical pair/quad cables for digital communications - Part 6: Symmetrical pair/quad cables with transmission characteristics up to 1000 MHz - Work area wiring - Sectional specification |
| IEC 60332-1-2:2004  | 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                             |

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|  |   |
|--|---|
| IEC 61034-2:2005+A1:2013                   | Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements   |
| IEEE802.3bt                                | Type 4 4PPoE to 100 w 60 V DC   |
| 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  |
|-------------|--|
| 103-204     | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Pink               |
| 103-206     | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1.5 m Pink             |
| 103-207     | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 2 m Pink               |
| 103-208     | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 3 m Pink               |
| 103-209     | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 5 m Pink               |
| 103-211     | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Violet             |
| 103-212     | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 2 m Violet             |
| 103-213     | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 3 m Violet             |
| 103-214     | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1.5 m Violet           |
| 103-215     | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 5 m Violet             |
| 103-216-10  | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.2 m Aqua (10-Pack)   |
| 103-217-10  | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.3 m Aqua (10-Pack)   |
| 103-218-10  | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.3 m Violet (10-Pack) |
| 103-219-10  | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.5 m Violet (10-Pack) |
| 103-220-10  | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.5 m Grey (10-Pack)   |
| 103-221     | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Grey               |
| 103-222     | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 2 m Grey               |
| 103-223     | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 3 m Grey               |

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|            |  |
|------------|--|
| 103-224    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1.5 m Grey             |
| 103-225    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 5 m Grey               |
| 103-226-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.2 m Grey (10-Pack)   |
| 103-227-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.3 m Grey (10-Pack)   |
| 103-228    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 7 m Grey               |
| 103-229    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 10 m Grey              |
| 103-230-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.5 m Blue (10-Pack)   |
| 103-231    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Blue               |
| 103-232    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 2 m Blue               |
| 103-233    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 3 m Blue               |
| 103-234    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1.5 m Blue             |
| 103-235    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 5 m Blue               |
| 103-236-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.2 m Blue (10-Pack)   |
| 103-237-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.3 m Blue (10-Pack)   |
| 103-239    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 10 m Blue              |
| 103-240-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.5 m Red (10-Pack)    |
| 103-241    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Red                |
| 103-242    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 2 m Red                |
| 103-243    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 3 m Red                |
| 103-244    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1.5 m Red              |
| 103-245    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 5 m Red                |
| 103-247-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.3 m Red (10-Pack)    |
| 103-249    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 10 m Red               |
| 103-250-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.5 m Yellow (10-Pack) |
| 103-251    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Yellow             |
| 103-252    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 2 m Yellow             |
| 103-253    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 3 m Yellow             |
| 103-254    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1.5 m Yellow           |
| 103-255    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 5 m Yellow             |
| 103-256-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.2 m Yellow (10-Pack) |
| 103-257-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.3 m Yellow (10-Pack) |

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|            |   |
|------------|---|
| 103-259    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 10 m Yellow           |
| 103-260-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.5 m Green (10-Pack) |
| 103-261    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Green             |
| 103-262    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 2 m Green             |
| 103-263    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 3 m Green             |
| 103-264    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1.5 m Green           |
| 103-265    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 5 m Green             |
| 103-266-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.2 m Green (10-Pack) |
| 103-267-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.3 m Green (10-Pack) |
| 103-269    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 10 m Green            |
| 103-270-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.5 m White (10-Pack) |
| 103-271    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m White             |
| 103-272    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 2 m White             |
| 103-273    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 3 m White             |
| 103-274    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1.5 m White           |
| 103-275    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 5 m White             |
| 103-276-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.2 m White (10-Pack) |
| 103-277-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.3 m White (10-Pack) |
| 103-279    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 10 m White            |
| 103-280-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.5 m Black (10-Pack) |
| 103-281    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Black             |
| 103-282    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 2 m Black             |
| 103-283    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 3 m Black             |
| 103-284    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1.5 m Black           |
| 103-285    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 5 m Black             |
| 103-286-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.2 m Black (10-Pack) |
| 103-287-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.3 m Black (10-Pack) |
| 103-289    | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 10 m Black            |
| 103-290-10 | Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.5 m Orange          |

# Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 3 m Grey

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(10-Pack)

103-291 Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Orange

103-292 Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 2 m Orange

103-293 Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 3 m Orange

103-294 Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1.5 m Orange

103-295 Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 5 m Orange

103-296 Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 4 m Grey

103-297 Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 0.75 m Grey

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)



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