

Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1 m Black

Item Code: 100-239

excel
without compromise.



✕ Specified to 500 MHz

✕ Suitable for 10 Gigabit 10GBase-T, PoE++ applications

✕ Individual foil screen over each pair

✕ Blade style moulded strain relief boot with clip protector

✕ LSOH outer sheath

✕ CIBSE TM65 Embodied Carbon: 0.272 kg CO2e

Product Overview

Excel Category 6A (Augmented Category 6) 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 emerging applications such as 10GBase-T, 10 Gigabit Ethernet.

Each Excel Category 6A patch lead consists of 4 twisted pairs of 26AWG stranded copper wires, an aluminium/polyester foil tape provides an individual screen for each pair. 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, suitable for use in high density router or switch blades.

Product Specifications

| Feature | Values |
|--------------------------------|------------|
| Cable type | F/FTP |
| Category | 6A (IEC) |
| Length | 1 m |
| Type of connector connection 1 | RJ45 8(8) |
| Type of connector connection 2 | RJ45 8(8) |
| Outer sheath colour | Black |
| Strain relief boot | Moulded-on |
| Lockable | no |

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|---------------------------|-------|
| Strain relief boot colour | Black |
| Flame retardant version | yes |
| Cable construction | 1x4 |
| AWG-size | 26 |
| Pin assignment | 1:1 |

Product drawing



Standards

| Applicable standard | Detail |
|--------------------------------|--|
| ISO/IEC 11801-1:2017 | Information technology - Generic cabling for customer premises: Part 1 General Requirements |
| EN 50173-1:2018 | Information technology. Generic cabling systems - General requirements |
| ANSI/TIA 568-2.D | Balanced Twisted-Pair Telecommunications Cabling and Components Standards |
| IEC 61156-5:2009+AMD1:2012 CSV | 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 |
| IEC 60332-1-2:2004 | Tests on electric and optical fibre cables under fire conditions. Test for vertical flame propagation for a single |

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insulated wire or cable. Procedure for 1 kW pre-mixed flame

IEC 61034-2:2005+A1:2013

Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements

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 |
|-------------|---|
| 100-142 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.75 m Grey |
| 100-148 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1 m Grey |
| 100-149 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 4 m Grey |
| 100-152 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 2 m Grey |
| 100-153 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 3 m Grey |
| 100-154 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 5 m Grey |
| 100-157 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 2 m Blue |
| 100-158 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 3 m Blue |
| 100-159 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1 m Blue |
| 100-160 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 5 m Blue |
| 100-161 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1 m Red |
| 100-162 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 2 m Red |
| 100-163 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 3 m Red |
| 100-165 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 5 m Red |
| 100-166 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1 m Yellow |
| 100-167 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 2 m Yellow |
| 100-168 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 3 m Yellow |
| 100-170 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 5 m Yellow |

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| 100-171 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 2 m Green |
| 100-172 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 3 m Green |
| 100-173 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1 m Green |
| 100-174 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 5 m Green |
| 100-176 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.5 m Grey |
| 100-177 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 10 m Grey |
| 100-178 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 7 m Grey |
| 100-220 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.5m Blue |
| 100-221 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.5m Red |
| 100-222 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.5 m Yellow |
| 100-223 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.5 m Green |
| 100-224 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.5 m White |
| 100-225 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.5 m Black |
| 100-226 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.5m Pink |
| 100-227 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.5 m Orange |
| 100-228 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.5 m Violet |
| 100-238 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1 m White |
| 100-239 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1 m Black |
| 100-240 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1 m Pink |
| 100-241 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1 m Orange |
| 100-242 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1 m Violet |
| 100-244 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 2 m White |
| 100-245 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 2 m Black |
| 100-246 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 2 m Pink |
| 100-247 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 2 m Orange |
| 100-248 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 2 m Violet |
| 100-250 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 3 m White |
| 100-251 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 3 m Black |
| 100-252 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 3 m Pink |
| 100-253 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 3 m Orange |
| 100-254 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 3 m Violet |
| 100-256 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 5 m White |

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| 100-257 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 5 m Black |
| 100-258 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 5 m Pink |
| 100-259 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 5 m Orange |
| 100-260 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 5 m Violet |
| 100-261 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 10 m Blue |
| 100-262 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 10 m Red |
| 100-263 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 10 m Yellow |
| 100-264 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 10 m Green |
| 100-265 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 15 m Grey |
| 100-266 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 15 m Blue |
| 100-267 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 15 m Red |
| 100-268 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 15 m Yellow |
| 100-269 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 15 m Green |
| 100-279 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 10 m White |
| 100-543 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 20 m Grey |
| 100-544 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 20 m Blue |
| 100-545 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 20 m Red |
| 100-546 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 20 m Yellow |
| 100-547 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 20 m Green |
| 100-611 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 20 m White |
| 101-130 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.3m Grey |
| 101-131 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.3m Blue |
| 101-132 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.3 m Red |
| 101-133 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.3 m Yellow |
| 101-134 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.3 m Green |
| 101-135 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.3m White |
| 101-136 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.3m Black |
| 101-137 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.3m Pink |
| 101-138 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.3 m Orange |
| 101-139 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 0.3 m Violet |
| 101-140 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1.5 m Grey |
| 101-141 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1.5 m Blue |

Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1 m Black

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| 101-142 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1.5 m Red |
| 101-143 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1.5 m Yellow |
| 101-144 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1.5 m Green |
| 101-145 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1.5 m White |
| 101-146 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1.5 m Black |
| 101-147 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1.5 m Pink |
| 101-148 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1.5 m Orange |
| 101-149 | Excel Cat6A Patch Lead F/FTP Shielded LSOH Blade Booted 1.5 m 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



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