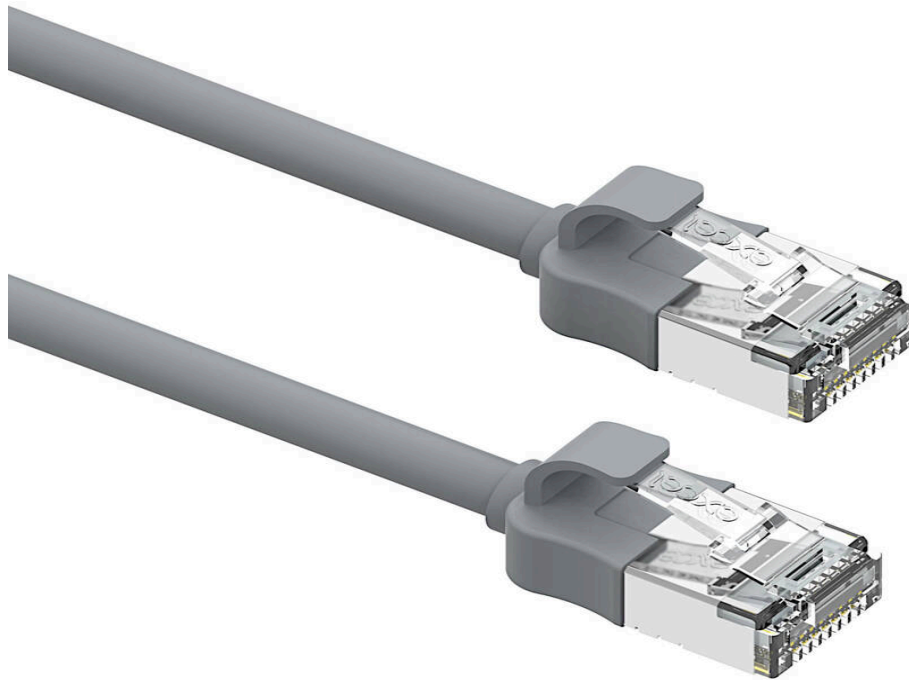


# Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Grey

Part Code: 103-221

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CIBSE TM65 Embodied Carbon: 0.281 kg CO2e



## Main Features

- / 28AWG Cat6A high flexibility
- / Supports PoE++ applications
- / Suitable for screened or unscreened installations
- / Suitable for 10 Gigabit 10GBase-T applications
- / Individual foil screen over each pair
- / 4.80 mm reduced diameter cable

## 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

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installations.

## Product Specifications

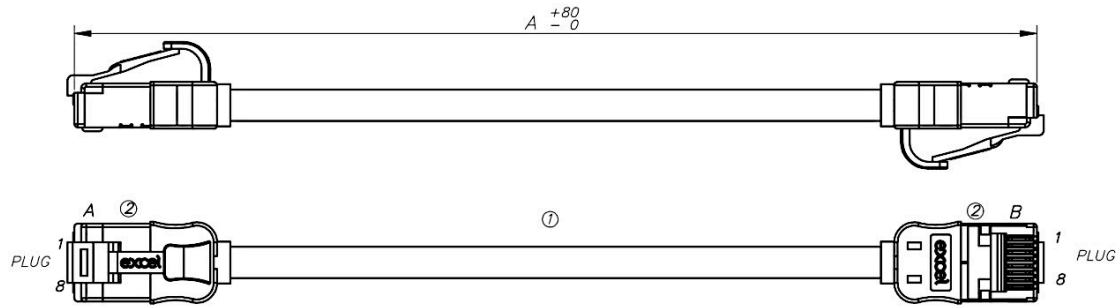
Feature	Values
Category	<b>6A (IEC)</b>
Length	<b>1 m</b>
Type of connector connection 1	<b>RJ45 8(8)</b>
Type of connector connection 2	<b>RJ45 8(8)</b>
Outer sheath colour	<b>Grey</b>
Strain relief boot	<b>Moulded-on</b>
Lockable	<b>no</b>
Strain relief boot colour	<b>Grey</b>
Flame retardant version	<b>yes</b>
Cable construction	<b>1x4</b>
AWG-size	<b>28</b>
Pin assignment	<b>1:1</b>

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## 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
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 VDC

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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
103-204	<b>Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Pink</b>
103-206	<b>Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1.5 m Pink</b>
103-207	<b>Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 2 m Pink</b>
103-208	<b>Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 3 m Pink</b>
103-209	<b>Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 5 m Pink</b>
103-211	<b>Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Violet</b>

# Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Grey

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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
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

# Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Grey

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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)
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

# Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Grey

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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)

# Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 1 m Grey

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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 (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