



- ✗ 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: 2.175 kg CO<sub>2</sub>e

## 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.

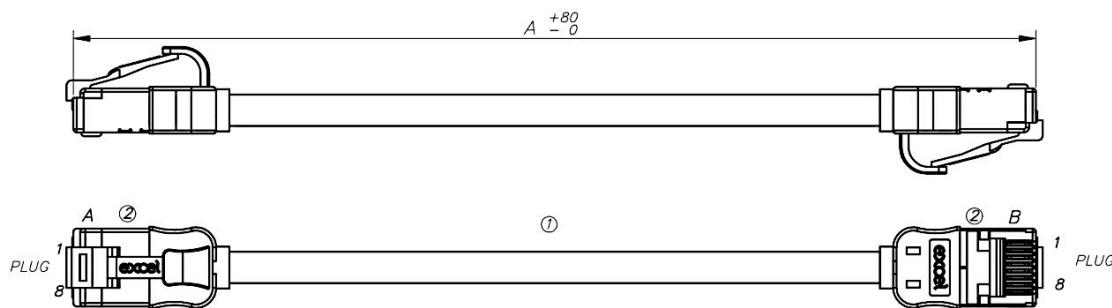
Staggered pin RJ45 screened plugs, terminate the cable, and each lead is fitted with colour coded slimline moulded boots with small new design plug unique to excel making them a great patch chord for use in high density patching with better airflow and tidier installations.

## Product Specifications

Feature	Values
Category	6A (IEC)
Length	10 m
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)

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

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

# Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 10 m Grey

Item Code: 103-229



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)

# Excel Cat6A Mini Patch Lead 28AWG LSOH Blade Booted 10 m Grey

Item Code: 103-229



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 10 m Grey

Item Code: 103-229



(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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