Product Guide 2019

TUK Ltd

MAKING CONNECTIONS

INTRODUCTION

Founded in 1984 and based in Wimbledon, TUK Ltd is a well-established manufacturer of telecoms, data and multimedia connectivity which is distributed worldwide.

It is our policy to provide our customers with constant product innovation, encompassing the latest technologies and standards.

Our products are manufactured in highly modernised ISO 9000 and ISO14000 approved factory environments. We are fully compliant with the latest UK and EU environmental directives such as ROHS, REACH and WEEE.

This brochure highlights our comprehensive product offering, including:-

- Customised Products
- Locking Products
- Data Connectivity
- Multimedia Products
- SPEEDY RJ45 range
- 19" Metalwork items
- Tools
- Plugs, Sockets and PCB Mount Items
- Voice Products
- Peripherals

QM S
ISO 9001
REGISTERED FIRM

MANAGING DIRECTOR'S MESSAGE

In the 21 years I have been running TUK a few things have changed. We have 4 times the number of employees and 10 times the turnover, but our approach to business remains the same, in that we have a strong belief in building long term profitable partnerships.

In the case of our manufacturing partners, this means ensuring they are fully familiar with the needs of the UK and European markets in general and our customers in particular. By co-operating closely with our factories, we can meet the ever growing demands of REACH, ROHS, Conflict Minerals, Modern Slavery and EMC, ensuring that we continuously improve today's production, as well as the possibilities for tomorrow's.

Our client base consists of a relatively small number of long term relationships, ranging from major international distributors and manufacturers to much smaller voice, data and AV specialists. Hopefully they know us as a consistent quality source of passive connectors, connectivity and cabling systems. We aim to offer solutions that work for them, ranging from complete product development to simple packaging/branding to supply chain management. We also aim to do so competitively and to offer excellent value for money and we encourage them to tell us if we don't.

We hope that our existing partners find something of interest in the following pages and that new customers are at least tempted. If not, please ask and we shall try to help.

Stephen Mercer

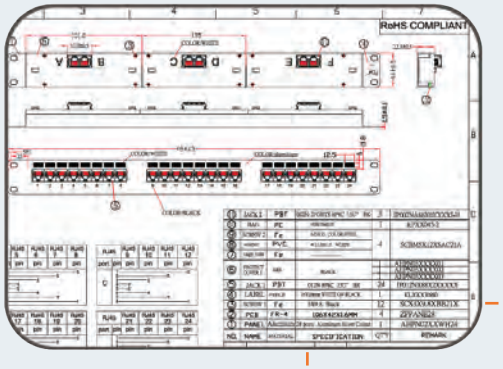
1st July, 2019

CUSTOM

TUK offers a comprehensive OEM service. We design and develop products from concept to the delivery of a tailored solution for our customers. .

In our class leading factories we are able to design, produce and test to Japanese, US and European standards. Panasonic and NEC, amongst other leading brands, have taken advantage of these facilities.

In the UK, companies that have benefited from our collaborative approach include; Nimans, Trust, BT, Pressac, Hellerman Tyton and Leader Optec.



Custom Panel

LOCKING PRODUCTS

We have a number of locking products in our portfolio which are designed to provide additional security to areas of the network that have requirements for specific data protection.

LOKJAC

This simple but effective Cat 6 locking system has been designed to block unused ports and offer a secure locking solution for patch panels, faceplates and outlets of all kinds. The security key (TLJ ordered separately) completes this lock and release system.

SLJwh

SLJwhpm

SLJbkDpm

TLJ

SF24LJ

T-LOK

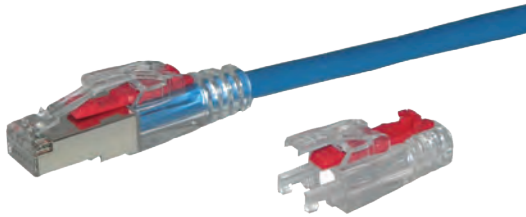
Tamperproof Faceplate - Supplied with a security key this aesthetically pleasing patented housing is equipped with a dual eurostyle faceplate that will hold 2 x standard 25 x 50mm angled modules. Suitable for copper (Cat 5/6/6A/8) and fibre installations.

KPJ2NT

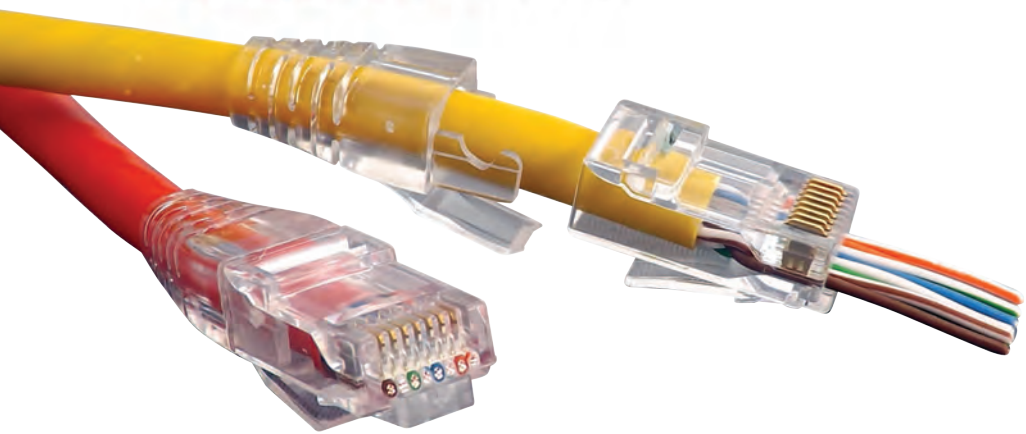
DataLOK

Offers a range of Category 6 and 6A patch cords as well as strain relief locking components for RJ45 Cat 5e, 6 and 6A plugs. The secure lock prevents the plug latch from being used and necessitates use of the removal tool (TPS) to release. *Also offered as SPEEDYLOCK.

TPS



SPEEDY RJ45



SPEEDY RJ45 plugs are a simple but clever alternative to a standard RJ45 plug. They allow cable cores to be pulled through the body of the plug, maintaining twist up to the contacts and ensuring the cables are in the correct order.

Key benefits include:-

- Guaranteed quality termination
- Greater speed and flexibility of installation
- Minimisation of wasted cable
- Increased productivity, errors are minimised and cores do not need to be cut to length

SPEEDY RJ45 plugs and strain relief boots are available for Category 5e UTP and FTP, Category 6 UTP and FTP and Category 6A FTP cables.

The SPEEDY RJ45 ratchet tools strip the cable sheath, trim the conductors and crimp the plug. Spare trimming blades are available for the tool.

Together with SPEEDY RJ45 plugs, SPEEDYLOCK enables locking Cat 5e and Cat 6 patch leads to be rapidly assembled.

SPEEDY RJ11 and RJ12 also available for the easiest termination of telecoms plugs.

For more information, see our dedicated website: www.speedyrj45.com

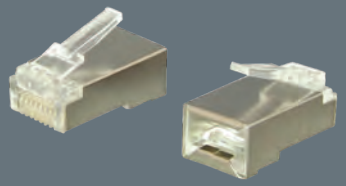
TRCSPDY

TRCSPDY3

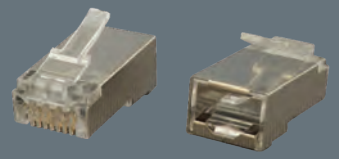
PXSPDY5

PXSPDY6

PXSPDY6c



PXSPDY6S

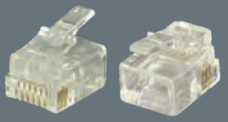


PXSPDY6Sc

PGSPDY

PXSPDY5S

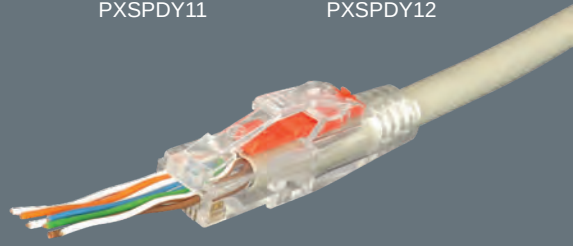
PXSPDY11



PXSPDY12

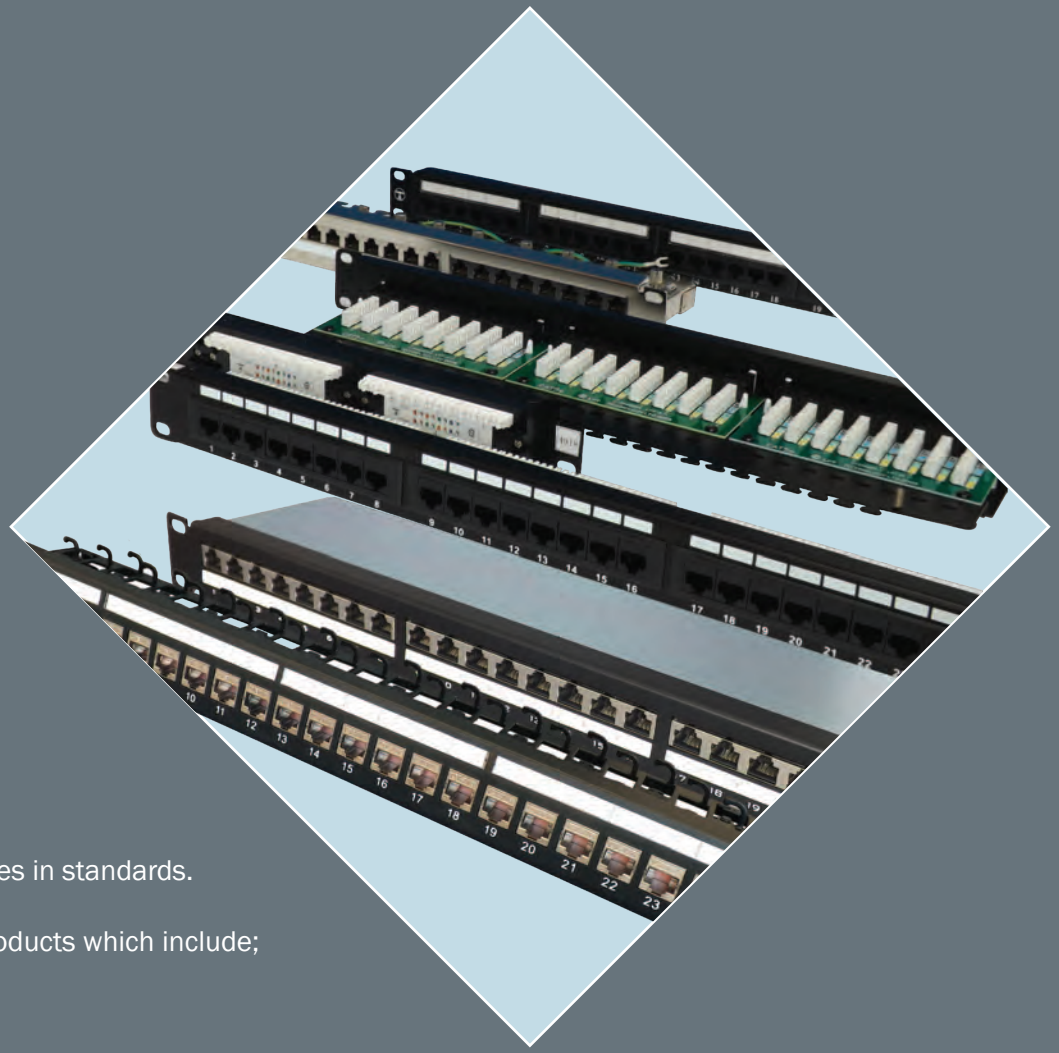
PSPDY5

PSPDY6



SPEEDYLOCK

DATA



TUK has continuously developed its Data range in line with market demands and changes in standards.

We offer a wide range of UTP and S/FTP Cat 5e, Cat 6, Cat 6A and Cat 8 connectivity products which include;

- Cat 5e, Cat 6, 6A and 8 Patch Panels
- Cat 5e, Cat 6, 6A and 8 Patch Leads
- Surface mount Sockets (Cat 6, 6A and 8)
- Cable joiners/Connection Boxes Cat 5e, 6 and 6A
- Euro and 6C style Faceplates
- Back Boxes; 21, 32, 37 and 45 mm
- 2, 4 & 6 way GOP Boxes
- FIBERMOD fibre outlets
- Keystone Panels
- Keystone Adapters for Faceplates

Our products are designed to meet the latest channel, component and permanent link system performance levels. System warranties are available upon application, subject to installer approval status and product compliance criteria being met.

Category 6A Inline Connector

Category 8 6C Outlet

Back Boxes

FIBERMOD - Angled Fibre Module

Category 8 Patch Lead

Category 6A Shielded Keystone Socket

Category 5 and 6 Outlets

Category 8 Panel Mount Connector

GOP Boxes

Category 6A Patch Leads

Category 8 24 Port Angled Patch Panel

Crossover Adaptor + Coupler

MULTIMEDIA

Our portfolio of multimedia connectors is presented in different formats, which reflect the diverse markets serviced by our customer base: KEYSTONE, PANEL MOUNT, D UNIVERSAL and DIN Rail Mountable.

KEYSTONES

Our keystone connectors are designed for a basic cut out measuring 14.6mm wide by 19.4mm high in a panel approximately 1.3mm thick. They form the central element of our multimedia offering and are also available as Panel Mount, D UNIVERSAL and DIN Rail variants. They include:-

- Category 8 socket
- Category 6 LOKJAC
- Fibre couplers (ST, SC, LC)
- Category 6A coupler and socket (tool-less)
- RJ12 6p6c coupler and socket
- Category 6 angled coupler, straight coupler and socket (IDC and tool-less)
- RCA Couplers
- 3.5mm Couplers
- BNC 50Ω and true 75Ω couplers
- Category 5e coupler and socket (tool-less)
- UK telephone socket (master and secondary)
- USB2 A-A coupler; USB3 A-A coupler; USB2 A-A reversible coupler; USB2 A-B adaptor
- HDMI coupler
- Speaker cable binding post connectors
- F connector
- Clip in Blank

PANEL MOUNT

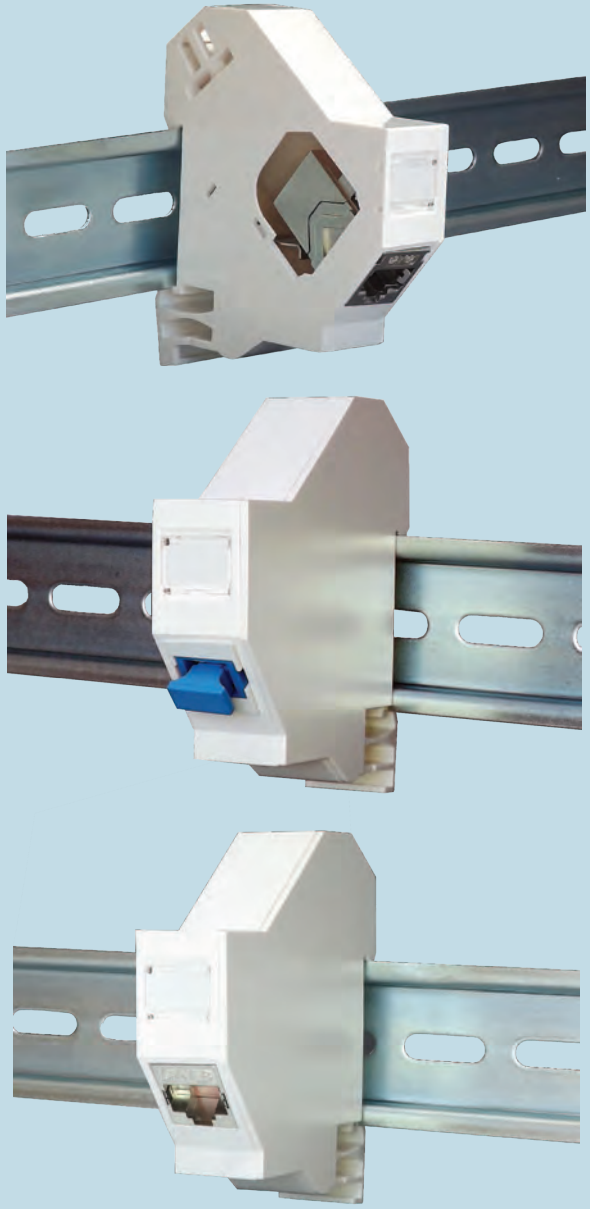
Our Panel Mount offering matches the keystone connector options in a form which can be mounted into panels of virtually any thickness. The die cast adaptor is robust and ensures easy mounting into standard cut-outs. We supply our products with an option of self-tapping and machine screws.

D UNIVERSAL

The D UNIVERSAL range has proven to be particularly attractive for the AV broadcast markets, designed as it is to fit standard ‘D series’ XLR type cut outs. Our standard range is supplied in black or shielded versions, but can be adjusted to customer requirement.

DIN RAIL MOUNTABLE

The DIN rail mountable connector range allows the performance and reliability of our standard connectors to be combined with the simplicity, affordability and usability of industrial DIN rail mounting.

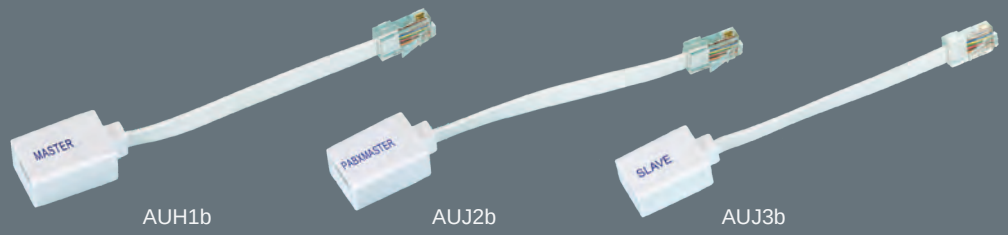


VOICE

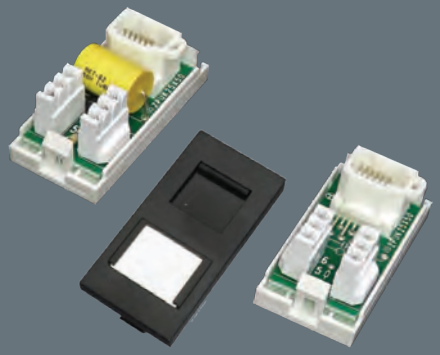
We are currently one of the leading producers of items commonly used in UK voice installations as well as offering a selection of equivalent US type products.

Our product range includes: -

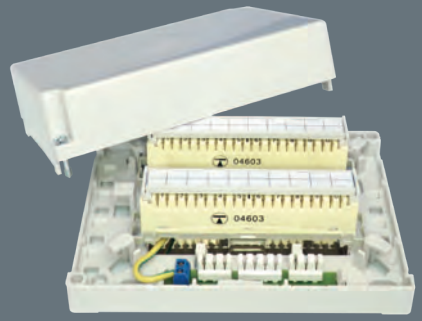
- UK NTE/CTE 5A Master sockets
- Centralised VDSL splitter units
- Line Jack Units (series 1-5)
- Connection Boxes (Plastic and Metal)
- Designation Strips
- CONNECT+ (LSA+ type) IDC Disconnection Strips
- RJ21 Telco Panels and Leads
- Voice Patch Panels (25 and 50 port)
- Line Adapter Units (RJ45/RJ11) to UK (Master/PABX/Secondary) or ISDN
- US type (aka 'RJ11' or 'RJ12') range, including wall sockets, leads, adaptors and tooling, as well as US/UK adaptors.



AUH1b AUJ2b AUJ3b



KJ1b, KJ2bk, KJ3b



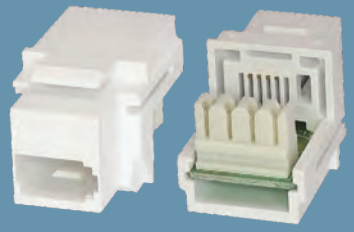
BXCN202

FFv25 FFLV24-45 FFv50

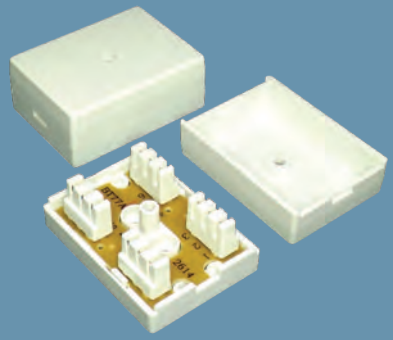
AAVNTEcc

LJNTE5A

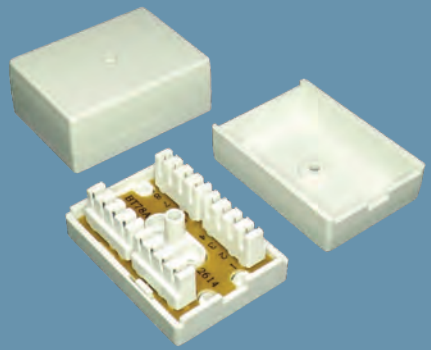
KGB1



KGB3wh



BXCN77AL

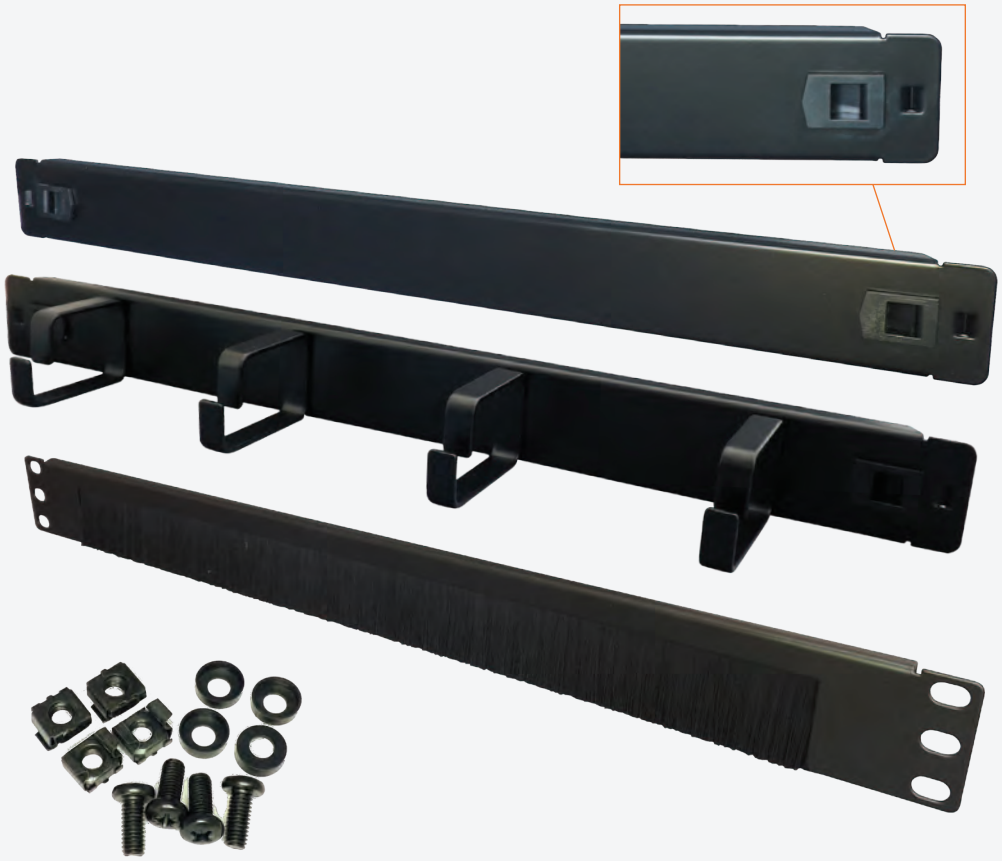


BXCN78AL

19" METALWORK ITEMS

We offer a comprehensive range of metalwork items designed to fit internal cabinets, racks and enclosures such as:-

- **Tool-less** blanking panels and cable management bar
- Standard cable management bars 4 ring and 5 ring
- Cage nuts
- Cantilever shelves
- Wall mount brackets
- Brush strip panels
- Flat and recessed subracks



TOOLS

TUKs range of tools includes a diverse selection of items that cover the installer's / assembler's needs for cutting stripping, crimping, terminating and testing copper cables, for data or voice.

Examples of our hand tool range include:-

- HD Ratchet crimping, stripping and cutting tools for modular plugs
- Stripping / cutting tools for UTP / FTP data
- Superior LSA + type IDC Insertion Tools in blue or grey
- Professional hand crimping tools with variety of crimp dies
- TPOET - Power over Ethernet tracker

PLUGS, SOCKETS AND PCB MOUNT CONNECTORS

TUK has been a leading manufacturer of connectors and cable for data and voice assemblies since the mid 1980's. Our modular (aka 'WECO' or 'RJ type') plugs are UL listed and produced by world leading manufacturers meeting the latest ISO 9000 standards.

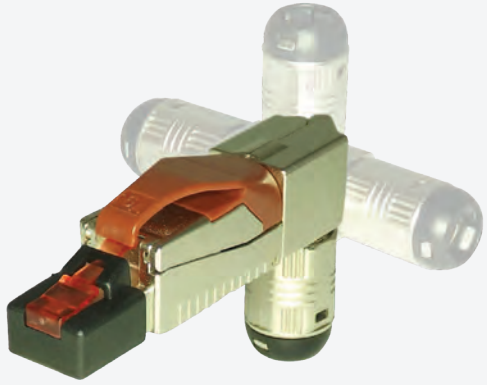
All modular cable and connectors are made to FCC68 as standard, and our 'RJ45' connectors are made to the tight tolerances of IEC 60603-7/FCC 68 part 5. We offer BT style telephony, Cat5e, Cat 6 and Cat 6A plugs, together with Cat 6A and Cat 8 field termination plugs.

We offer strain relief boots for RJ45 type connectors suitable for Cat 5e, Cat 6, Cat 6A, Cat 7 and Cat 8 cable, in a wide variety of colours, but also in crystal clear PC or transparent PVC, if the boot does not need to colour match.

Our UK style voice connectors (431A, 430A, 631A and 630A) are made to the same quality standards, compliant with OFTEL APPROVAL NS/G/1235/W100025. We also offer UK PCB sockets made to the same standards.

We work closely with a number of manufacturers and leading assembly houses and as with most of our product ranges, we welcome and regularly take on OEM commissions for colour and other variants of our standard products.

Category 8 Field Termination Plug



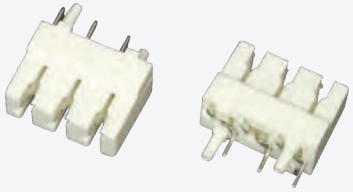
Category 6A 5 Direction Field Termination Plug

Category 6A Field Termination Plug

Category 6A Shielded Plug for XXL Cables

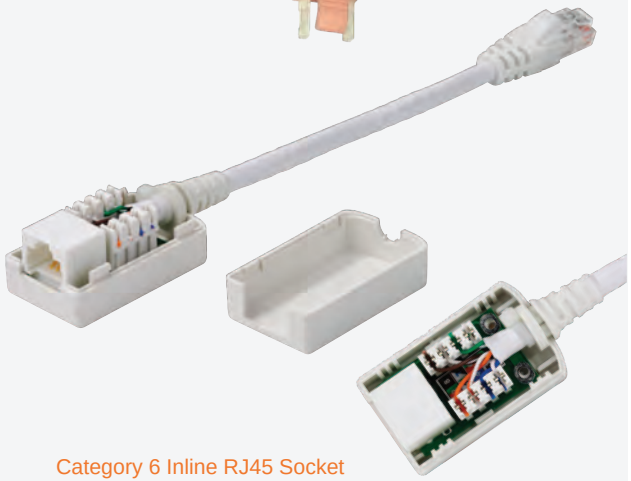
Category 6 Shielded Plug

Flush Strain Relief Boots



PCB Contacts

UK Telephone Plugs



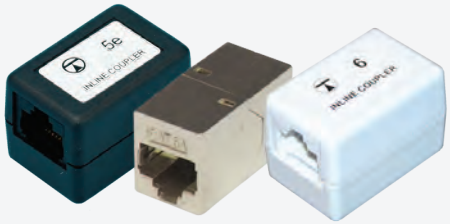
Category 6 Inline RJ45 Socket

PERIPHERALS

TUK has been recognised for many years as a market leader in structured cabling accessories. We have focussed on developing items which support installers at all levels, providing products that enable cabling systems to be connected efficiently and effectively.

Our popular items include;

- Couplers
- Cable Economisers
- Line Cords, Curly Cords and Leads.
- Gel Crimps
- Weatherproof Boxes suitable for copper and fibre outlets



Couplers

Tailed ADSL Microfilter

ADQ88

Cable Economisers

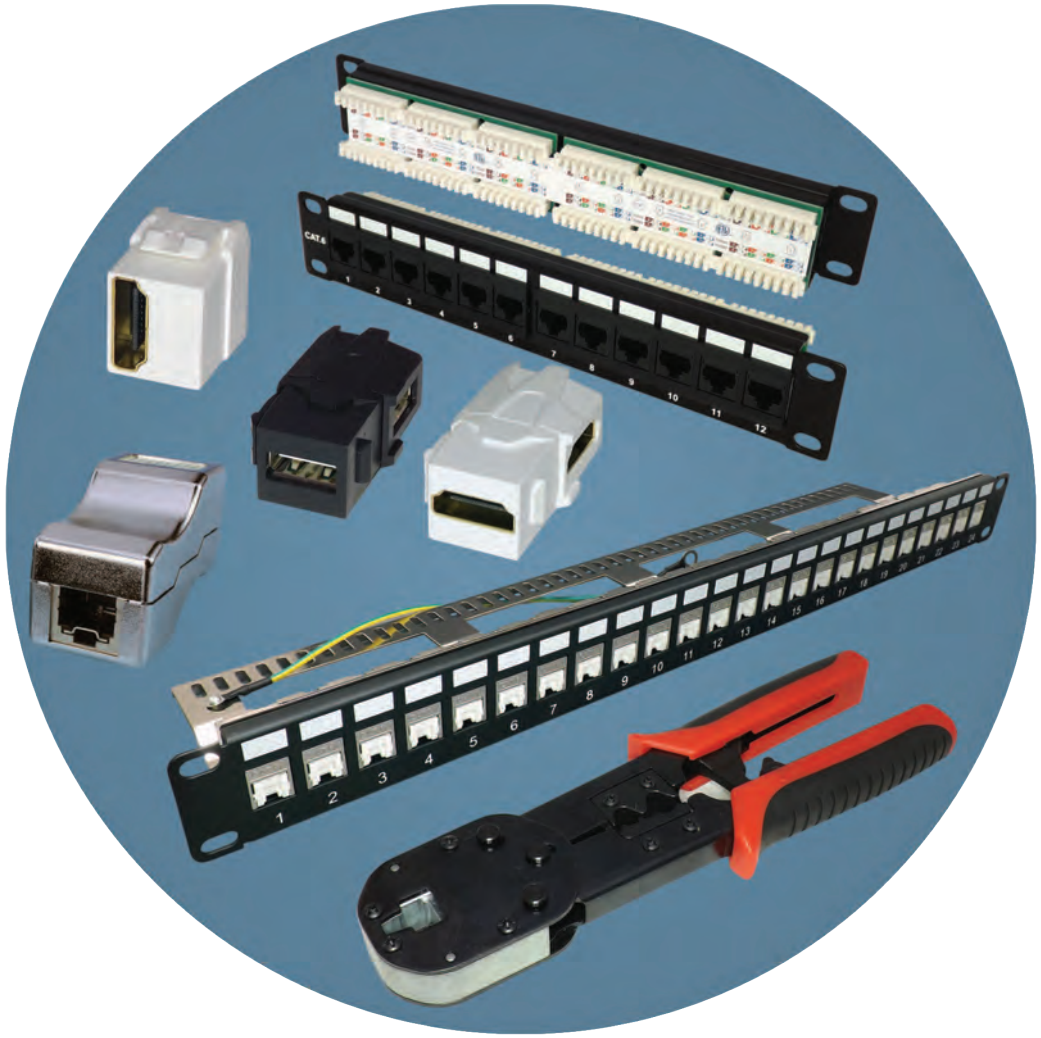
Line cords, curly cords and leads

Gel Crimps

Untanglers

RJ45 Dustcover

Weatherproof Boxes



Looking Forward.....

We pursue a policy of continuous product development and improvement. (A selection of forthcoming products is shown opposite).

However, looking forward a key objective will be our accommodation of the needs of Power of Ethernet (PoE).

For over 15 years Power over Ethernet has enabled the connection and powering of sophisticated devices over a single cable. With the ratification in 2018 of the new (backwards compatible) IEEE 802.3bt standard, up to 90W can be delivered and the range of powered devices taking advantage of this technology is expanding rapidly.

Since TUK does not make powered active equipment, how is this relevant?

Where equipment might be used with a variant of PoE, our RJ45 connectors and cables must be constructed to enable current to pass without causing excessive heating and repeated connections and disconnections must be possible without damage to plug or socket (IEC60512-99-001). These require design for efficient management of the current, appropriate plating on contacts and, at a basic level, sufficient copper content in cables to minimise resistance.

Although the new PoE++ standard states that Category 5e cable can be used, since FTP cabling offers the best thermal and power efficiency, we encourage use of Category 6A or Category 8 where a cabling system is likely to carry current.

We are proud of the quality of our connectivity and, in the interests of future-proofing, we are working towards making all our RJ45-based products PoE compliant.

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ISO 9001 Certification Number: GB10914
WEEE Number: WEE/CA2230WW/PRO