Connectix
Cabling Systems™

Connectix Cabling Systems™
Retail Solutions

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www.connectixcablingsystems.com

Connectix Retail Solutions
Why Connectix?

Connectix Cabling Systems™ is a leading UK manufacturer of communication systems for the retail sector. We design, develop and manufacture components for customer-specific applications, providing an integrated platform for the retail environment, including head offices LAN, WAN and SAN services, store comms for VoIP, WiFi and IP enabled security solutions and indoor/outdoor cabling for warehouse depots and distribution centres.

For over 25 years Connectix Cabling Systems™ has approached infrastructure projects with a personal touch, gaining knowledge of the client's vision and ensuring that product solutions can be supplied or custom-designed to meet the project concept. Our ability to service retail deployment utilising our UK manufacturing and production and prefab assembly for equipment cabinets and containments gives our clients the ability to roll-out technology deployments quickly, efficiently and competitively.

Connectix stocks over £2.5m of cabling and connectivity ready for fast, next day delivery time as well as 24-7 manufacturing and production.

Connectix Cabling Systems™ doesn't just deliver on industry standard performance, we exceed. We provide a product installation and application warranty for 25 years and independently tested and channel and component compliance for systems installed by Connectix Approved Professional.

✓ UK manufacturer

✓ UK design, prototype and development

✓ UK stock and logistics for major project roll-out

✓ Copper Cabling Systems

✓ Optical Fibre Cabling Systems

✓ Racks, Cabinets, Patching Frames and Indoor/outdoor enclosure systems

✓ Prefab assembly and manufacturing

✓ Direct technical support

✓ Direct cabling infrastructure consultancy support and guidance

✓ UK nationwide Approved Installers

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Connectix Retail Solutions
Cabling Infrastructure

Today's retail sector not only plays a daily role in commodity and luxury living, it also impacts the wider economy through performance and strength of consumer spending, measured within the Retail Sales Index and Index of Services.

Information technology has probably had the biggest influence on the retail sector over any other, as it pioneers platforms and channels into the customer – through our towns, cities and villages, into our workplaces and into our homes. Retailers are never far away.

Connectix understands the importance of cabling infrastructure within retail environments, providing the backbone and link from business to consumer. In this sector, managing capital and operating costs of IT infrastructure impacts massively on the budgets of any retailer.

Connectix provides copper and optical fibre cabling systems, racks and enclosures and project design and specification services to many retailers. Our technical expertise supports roll-out and refurb project specifications as well as new build projects for shops, stores, warehouses, distribution depots and data centres, providing standards compliance, competitive tenders through our own Connectix Approved Retail Installers.

Connectix Product Solutions	
Retail Store & Head Office	3rd Party, independently tested and verified Connectix copper and optical fibre solutions for ISO, EN and TIA compliant standards for ultimate high-speed transmission networks. Deployed throughout stores, offices, comms areas, riser and backbone distribution for landlord, access control and CCTV, WiFi and BMS systems.
Retail Point of Sales	Connectix manufactures solutions for smart home including HDMI, home automation technology for audio visual and Ethernet KNX/IP based transmissions, used in point of sale areas.
Online Retail, Data Centre & SAN	Connectix manufactures a range of premium quality network wall mounting cabinets, equipment rack and server cabinets and data centre server/colocation cabinets and raceway and ladder pathway suitable for Tier-4 data centre facilities. Connectix MTP® Solutions manufactured in the fastest production time in the UK, with high-density horizontal and vertically mounted cassette based systems for 12 and 24 way MTP® trunk connectivity.
Warehouse Depot & Distribution Centres	Connectix provide harsh environment optical fibre cabling solutions for use with outdoor connectivity and cold temperature environments such as refrigeration areas and warehouse distribution centres. IP rated enclosures suitable for indoor and outdoor secure communications hardware for security, redundant and local connectivity.
Technical Support & Network Specification Services	Connectix recognise the importance of design and specification knowledge and high quality workmanship when delivering IT building projects. We engage with projects with electrical property management, IT systems, IT sustainability, innovation and R&D and roll-out project teams to assist network specifications. The Connectix Continuous Education Program (CEP) gives our clients an opportunity to learn more on the impact of change in technologies and how to implement IT within their strategies.

CODE OF CONDUCT DATA CENTRES *Endorser*

Connectix Retail Solutions
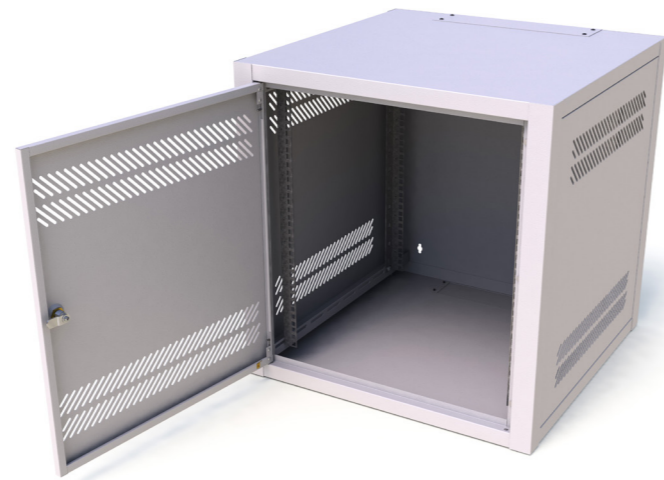## Product Technology

Connectix Cabling Systems works closely in the retail sector with some of the industries most respected companies, ensuring that we keep pace with the ever-changing trends affecting high-street and online selling. Many retail outlets now use high performance, real-time analytics to track consumer spending patterns and habits.

This has transformed areas of point of sale, promotional campaigns aimed at maximizing revenues and profits and consumer behaviour.

On the shop floor, retailers work in partnership - granting concessions in store that can run separate or shared networking services. Within stores and warehouses, converged solutions for security, access control and BMS are serviced within IP platforms also delivering services for tailor-made EPOS systems. Technology has transformed the day-to-day running of retail using IP based digital signage and enhanced audio-visual services and WiFi enabled devices given the consumers a 'connected shopping experience'.

The challenges facing retail property management teams include mass-deployment for network cabling and hardware upgrades (where a retailer has multiple stores nationwide). This needs to be done securely and within *current industry regulation* and therefore can consume substantial operating expenditure as well as rely on careful coordination for deployment. Connectix is able to support mass-deployment roll out programs using our stock and logistics hubs in England, Scotland and Ireland.

By choosing Connectix Cabling Systems, retailers can be confident that they've chosen a partner that has the product technology for cabling and cabinet solutions within stores, warehouses, distribution centres and offices and data centres, coupled with the expertise in standards compliance and our own stock and logistics for rapid deployment.

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Connectix Retail Solutions
Integrating a Cabling System Retail Strategy

Applying the right network cabling media to a retail environment requires assessment of network baseline performances, compatibility with existing network investments, flexibility for configuration moves and changes and provision for future growth and expansion.

Making the IT budget stretch as far as possible, the Connectix Technical Consulting team will engage with the client to ensure full compliance with cabling standards, understanding of your system applications and a review and analysis of the working environment. The data centre is a very different environment to a supermarket store, Connectix ensures all our retail clients make the best use of technology and financial resources.

Once a client's network specification is agreed, Connectix then works incessantly with the contractors on the projects, including mechanical and electrical contractors and design and build main contractors, IT service providers (outsourcing providers and installation companies) and the client. This ensures that projects are installed and commissioned within the standards requirements and our 25-year manufacturer's warranty can be issued.

Connectix Cabling Systems manufacture high-speed cabling and connectivity product options for Category 6A, Category 6 and Category 5E shielded and unshielded solutions, including keystone and IDC punchdown modules and patch panels, pre-terminated cabling and patch leads. Connectix Cabling Systems meet and exceed the ISO 11801:Ed2.2, ISO 60603-7-5, ISO 61156-5, EN 50173-1, EN50310 and EIA/TIA-568-C component and channel performance requirements and the EuroClass requirements of BS6701 2016+A1:2017.

NB. Refer to table below for updated BS6701 2016+A1:2017 cable standards. Full article and documentation available to download via the Connectix website & Consultants area.

Table1: BS6701 206+A1:2017

Minimum BS6701: A1-2017 UK threshold	Euroclass	Classification	Additional	Assessment and Verification of Consistency of Performance Systems
	A	EN ISO 1716		1+ Initial type-testing and factory inspection and continuous surveillance of factory production control (FPC) with audit testing of samples by 3rd party notified product certification body
B1ca Very low contribution to fire	B1	EN 50399 Heat release Flame spread EN 60332-1-2	Smoke production (s1a,s1b,s2,s3) EN 50399/EN 610-34-2 Acidity (a1,a2,a3) Flaming droplets (d0,d1,d2)	
B2ca Low contribution to fire	B2			
C1ca Reduced contribution to fire	C			
Dca Improved contribution to fire	D			3 Initial type-testing by 3rd party notified testing laboratory
Eca Basic flame retardance	E	EN 60332-1-2		
Fca Non flame retardant	F			4 Initial type-testing and FPC by manufacturer

Connectix Retail Solutions
Preloaded Rack Supermarket Examples

Connectix is a key supplier to the retail industry, having completed projects deployed throughout Tesco, Sainsburys, Boots, McDonalds, The Carphone Warehouse, Ocado, Dreams, Carpet Right and Asda.

Larger scale retail sector organisations constantly have pressure to deliver improved profits for shareholder publication. As the market is fiercely competitive it means the selection of cabling system manufacturer is more strategic than ever. This is why Connectix continues to grow market share within retail, because there is no vendor that can meet the personal approach that Connectix provide.

Our consultancy support enables a standards compliant, future proof network specification document to be produced and maintained collectively, or project specifically, incorporating price budgets and cost models, network schematics and product analysis.

Our prefab service includes an offsite build of equipment rack, shelving systems and entrance facility communications boards – enabling manufacturer controlled assembly and production, factory testing, quick and easy site installation, controlled stock and delivery and lower costs.

Our bespoke manufacturing design services develops products for existing and future IT system deployments. We are able to apply retrofit solutions as well as new designs – meaning we can solve problems in older retail stores that are refurbished and service brand new store/site projects. Networking hardware if often upgraded, cabling infrastructure is needed to facilitate that technology without new investment – Connectix is here, every step of the journey, placing the clients IT strategy at the heart of our delivery.

Fig1: Connectix Prefab Supermarket Cabinet

- Lid omitted with perforated area and cable entry positions incorporated into rack top section
- Plinth kit
- 19" panel mount rails
- Single Mesh front door hinged right, locking handle on left
- Double vented steel rear door
- 1 x Plain side panel
- 47U Access cable channel
- 20 x cable management cable hoops
- Jacking feet for plinth kit
- Castors for plinth kit
- 2 x Cable Management Panels (5 Ring)
- 17 x 4 Ring cable management panels
- U height labels
- 2 x CCS 24 way ST loaded fibre patch panel
- 6 x Connectix Cabling Systems 24 way HD Cat5E panel
- 150mm wide steel cable tray
- 1 x 12 way UK vertical UK socket PDU 8mtr Fly lead, no plug, GREY
- 1 x 12 way UK vertical UK socket PDU 8mtr Fly lead, no plug, BLACK
- 24 x CCS 5mt Cat 5e UTP RJ45 Leads placed in braided sleeve
- 50 x Cage Nuts and Bolts (1 pack)
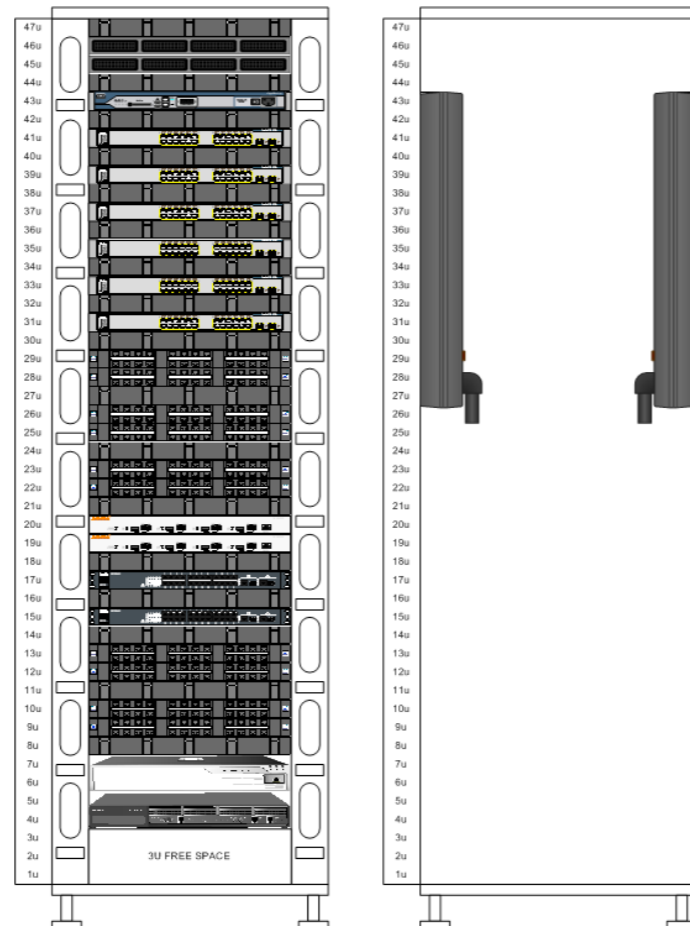
Server Cabinet 4760100 - Light Grey