




Product Overview

2013/14



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DEDICATED TO YOUR CABLING NEEDS

Selsor is a leading manufacturer of copper cable, optical fibre cables & systems. We provide the foundations for fast and reliable communications and global connectivity across global market sectors.

Our ongoing investment in technology ensures that our products are of the highest quality standards.

Leading the way with stringent product testing and development, Selsor cables and systems are the result of rigorous testing to ensure optimal and guaranteed performance. We don't just guarantee our products to the point of delivery, our standard warranty guarantees products even once installed.

When choosing Selsor to supply your business, you will be supported by our in-country based, industry-leading customer care team who are available to discuss your requirements. All enquiries and orders are dealt with within 24 business hours.

We are a customer-focused business with a presence in Europe, North America, the Middle East and Asia Pacific. We support our customers as they grow on an international basis and can service all your project and cable requirements internationally whether you are in London, Frankfurt, Toronto, Los Angeles, Riyadh, Cairo, Cape Town, Rio, Hong Kong or Shanghai.

SUPPORTING YOUR BUSINESS

The use and demand for optical fibre cabling and copper cabling has grown tremendously over the years and the applications are numerous.

Selsor's cables and systems are used to connect 1000's of different applications, some of which are listed here. If your systems are not detailed then please talk to us as it is likely we will have a cable product to support you.

- Building Automation Systems
- Security/Intrusion Systems
- Access Control Systems
- Closed Circuit Television (CCTV)
- Audiovisual (A/V) Systems
- Single Master Antenna Television (SMATV)
- Fire Alarm and Detection Systems
- Data Communications – LAN, WAN and Data Centres
- Fibre to the X (FTTX)
- Industrial Automation
- Solar Energy



OUR MARKETS

Sensor supply cabling systems to a variety of markets and industries, meeting their needs for premium quality, reliable cabling.

Transportation

Airports - Air traffic control, security, fire detection, ventilation and climate control.

Railway - Station management, PA, CCTV and information delivery.

Highway - Connecting traffic services to guarantee reliable and efficient traffic co-ordination.

Education

Schools, Colleges and Universities - sophisticated LAN and WAN systems, telecommunication, fire detection and safety cables.

Health Care and Emergency Services

Healthcare - Enabling critical systems including life support, security systems, intelligent lighting and climate control to aid patient comfort.

Doctors surgeries - Safe and efficient storage of data and support systems such as patient registers and appointment schedules, self-check-in services and PA systems.

Police Stations, Fire Stations, Lifeboat and Mountain Rescue - Reliable networks where security is paramount and enabling emergency lines and call out systems.

Commerce

Offices and Retail - Building Management and intelligent cabling systems that save businesses money, improve efficiency and reduce carbon footprint.

Financial Institutions

Stock exchanges, investment banking and corporate banking - accurate and fast transmission of large amounts of live data over long distances, cross country and global.

Leisure and Hospitality

Hotels - Intelligent Buildings with climate controlled rooms, motion detection lights and in-room on demand services.

Stadiums, casinos and theme parks - 24 hour CCTV, WAN, BMS, retail and safety systems.

Government and Defence

Prisons - fool-proof security systems, access control and communication.

Defence projects - bespoke requirements with cabling systems created for operational needs.

Industrial

Production facilities - Facilitating the automation of industrial equipment and processes.

Warehousing - Underpinning the systems that help store and manage data along with automation.

If you are in a niche sector and require copper cabling, fibre cabling and systems or if you have a requirement for a custom cable, please contact your local team, contact details on back page.

SELSOR GUARANTEE

Selsor guarantees that our cabling systems are in accordance with the latest industry standards and specifications and are to the highest quality.

Approved and installed across the world

Having undergone rigorous laboratory and third party testing, Selsor copper and optical fibre cabling products have been approved and installed in numerous projects throughout the world.



1. Shielded / Unshielded Twisted Pair Cables (Belden Alternative)

Sensor Pair Cables are used to deliver high data speeds for thousands of electrical and electronic applications, which is enabled by balanced signal transmission and lower cross talk. They are used in applications covering RS-232, RS-422, RS-485, KNX, LonWorks, ModBus, M-Bus, CAN-bus, BACnet and general interface systems.

Sensor manufactures multiple configurations of Twisted Pair Cables covering number of pairs/quads, conductor size and type, insulation compounds, shielding options, drain wires and sheath/jacketing compounds. This means you can be sure of a cable that is suitable to your environmental conditions whilst delivering optimal transmission performance.

2. Multi-Core Cables (Belden Alternative)

Sensor Multi Core Cables are used for signal transmission in Building Management Systems (BMS), sound, audio, security, instrumentation, computer networks, electronics and control systems.

Sensor manufactures multiple configurations of Multi Core Cables covering number of conductors, conductor size and type, insulation compounds, shielding options, drain wires and sheath/jacketing compounds. This means you can be sure of a cable that is suitable to your environmental conditions whilst delivering optimal transmission performance.

3. Coaxial Cables (75 Ohms)

Sensor Coaxial Cables are used to deliver radio signals at a much higher frequency than Twisted Pair and Multi-Core Cables. Used frequently in CCTV, Broadcast and computer networks (CCTV, SMATV, CATV and HDTV), they are used to deliver single and multiple video signals.

Sensor manufactures Coax Cables to RG59, RG6, RG11 and CT standards and they come in a variety of options covering conductor size and type, dielectric compound and diameter, braiding material and coverage and sheath/jacketing compounds. This means you can be sure of a cable that is suitable to your environmental conditions whilst delivering optimal transmission performance.



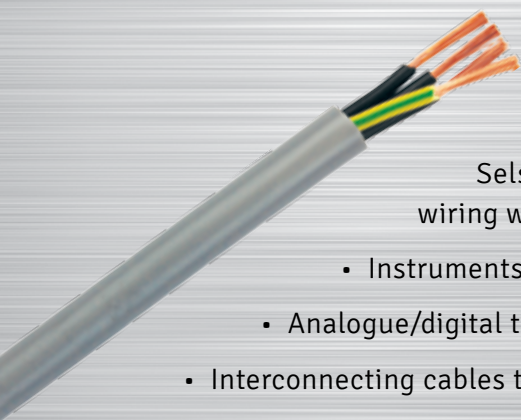
4. Fire Resistant Cables

Selsor Fire Resistant Cables are used in:

- Fire Detection
- Emergency Lighting Systems
- Alarm Systems
- Instrumentation
- Security
- Control
- Safety

Fire Resistant and Alarm Cables are essential for providing network continuity in the event of a fire. Selsor manufactures multiple configurations of Fire Resistant Cables and Alarm Cables, covering paired and multi conductor, conductor size and type, insulation compounds, shielding options, drain wires and sheath/jacketing compounds. This means you can be sure of a cable that is suitable to your environmental conditions and continue to operate in the event of a fire.

Selsor Fire Resistant Cables and Alarm Cables conform to UL1666, E339938, BS6387 CWZ, IEC 60332-3-24 and BS EN 50290-2 and operate up to a maximum of 1050C.



5. Industrial Cables for Control, Instrumentation and Defence Standard

Selsor Industrial Cables are used widely across industry covering high density wiring within:

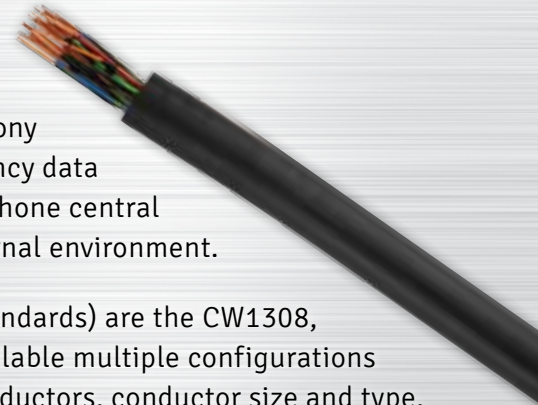
- Instruments and electronic equipment
- Analogue/digital transmission in industrial process plants
- Interconnecting cables to control, measure and regulate production
- Control of automated and robotic equipment

Selsor Industrial Cables include Instrumentation Cables to BS5308/PAS5308 Part 2 Type 1 & 2, Control Cables for YY, CY & SY Series and Defence Standard (Def Stan) Cables to 61-12 Parts 4&5. This means that you can be sure of an industrial cable to operate, control and measure your industrial activity.

6. Telecommunication/Telephone Cables

Selsor Telecommunication/Telephone Cables are used in Telephony Networks for low frequency signals supporting voice and low frequency data communications. They are used to connect campus networks, telephone central offices and apply to both an internal and external environment.

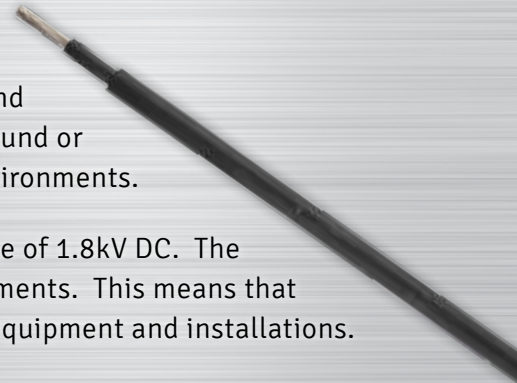
Commonly ordered products within this category (focussed on UK standards) are the CW1308, CW1128, CW1308B and CW1128/1198 specifications. Selsor has available multiple configurations of Telecommunication/Telephone Cables covering paired and quad conductors, conductor size and type, insulation compounds, shielding options, drain wires, armouring and sheath/jacketing compounds. This means you can be sure of a cable that is suitable to your environmental conditions whilst delivering an optimal communication link.



7. Solar Cables

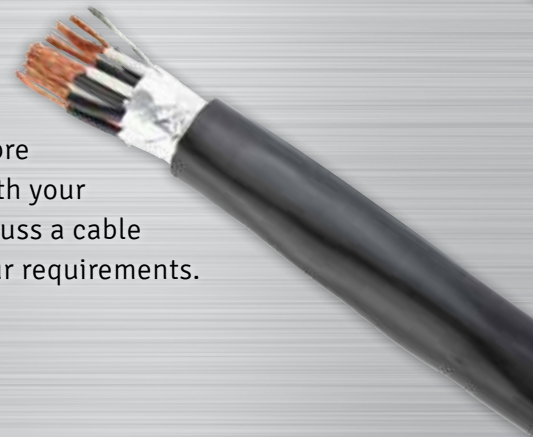
Selsor TÜV approved Solar Cables are designed for connections to and within photovoltaic systems such as solar panel arrays either on the ground or roof mounting in both internal and external environments.

Selsor manufactures single core Solar Cables up to a maximum voltage of 1.8kV DC. The cables are both UV resistant and meet Low Smoke Zero Halogen requirements. This means that you can be sure of an exact cable match for your solar power equipment and installations.



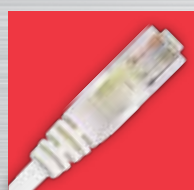
8. Custom Cables

In addition to supplying a wide range of popular Copper and Optical Fibre Cabling products, Selsor manufactures custom cables in accordance with your needs. Please contact your local team (contact on back page) to discuss a cable that meets your requirements.



9. Copper Cabling System

Selsor Copper Cabling System is used for buildings/campus data networks (LAN and WAN) and Data Centre solutions to provide a quality modular passive infrastructure. The system offers internationally recognised categories, standards and is used for common applications as summarised below.

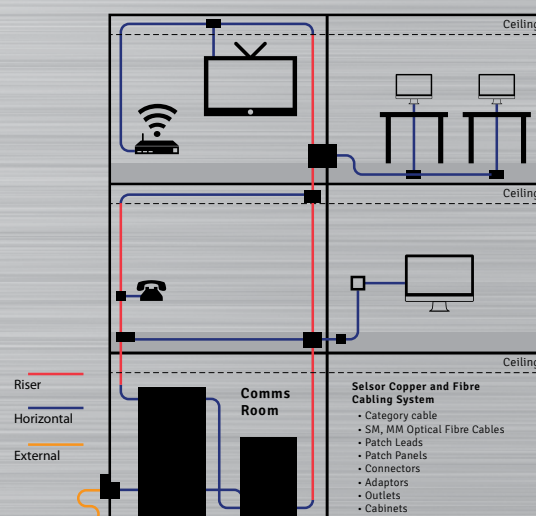


CATEGORY	MAX. DATA RATE	USUAL APPLICATION	STANDARD(S)		
			TIA/EIA	ISO/IEC	EN
Cat 5	100 MHz	10/100/1000 Mbe, 155 Mbps ATM, 4/16 Mbps Token Ring	Replaced by 5e		
Cat 5e	100 MHz				
Cat 6	250 MHz	as Cat 5e plus 10Gb Ethernet over <55m	TIA/EIA 568-C.2	ISO/IEC 11806, 2nd edition IEC 61156	
Cat 6a	500 MHz	as Cat 6 plus 10Gb Ethernet over >100m			
Cat 7	600 MHz	as Cat 6a plus supporting 100Gbe	Cat 7a is not recognised in TIA/EIA-568-C	ISO/IEC 11801: 2002 Category 7 / Class F	EN50173 EN 50174-1 EN 50288
Cat 7a	1000 MHz	CATV (862 MHz) 40GBASE-T over >50m 100 Gbe over >15m		ISO/IEC 11801, amendment 1 (2008) and amendment 2 (2010).	

Copper Cabling Systems are a modular build and the general components supplied are listed below:-

- Cable from Cat5e to Cat7a, screened/unscreened, sheath/jacketing compounds and colours.
- Patch leads from Cat5e to Cat7a, screened/unscreened, sheath/jacketing compounds and colours.
- Patch panels and mounting for modular build with options for screened/unscreened and colours.
- Keystone jacks with options of screened/unscreened, tool-less and angled.
- Outlets and faceplates options.
- Cabinets and racks in various shapes and sizes.

Selsor Cabling System



10. Optical Fibre Cabling System

Selsor Fibre Optic Cabling System is used for buildings/campus data networks (LAN and WAN) and Data Centre solutions to provide a quality modular passive infrastructure. Fibre Optic Cable Systems provide increased capacity, speeds, distances and physical density over copper networks. Our cabling system meets both multimode and singlemode (covering OM2, OM3, OM4, OS1 and OS2) requirements.

The table below summarises ethernet applications supported by different classes and categories of fibre optics and their maximum channel lengths.

	MULTIMODE			SINGLEMODE	
Ethernet Application	OM2	OM3	OM4	OS1	OS2
1000BASE-SX (Gigabit)	550m	550m	1,100m		
10GBASE-SR/SW (10 Gigabit)	82m	300m	550m		
40GBASE-SR4 (40 Gigabit)		100m	150m		
100GBASE-SR10 (100 Gigabit)		100m	150m		
1000BASE-LX (Gigabit)				2,000m	5,000m
10GBASE-LX4 & LR/LW (10 Gigabit)				2,000m	10,000m
10GBASE-ER/EW (10 Gigabit)				2,000m	22,250m
100GBASE-LR4 (100 Gigabit)				10,000m	10,000m
100GBASE-ER4 (100 Gigabit)				40,000m	40,000m



Fibre Cabling Systems are a modular build and the general components supplied are listed below:-

- Optical fibre cable including single-mode, multi-mode, tight buffered, loose tube, duplex zipcord and armoured variations.
- Fibre Optic Connectors including; SC, LC; and Attenuators
- Fibre Optic Adaptors including; SC and LC.
- Fibre Optic patch cords and pigtails with a variety of connectivity options including; SC and LC connectors, and options for PC, UPC and APC polishing.
- Fibre Optic Patch Panels straight and angled with choices of port density, multimode and single-mode and panel accessories.
- Fibre Optic MTP Cassettes and MTP to LC Fan Out Cables.

PLACING YOU AT THE HEART OF OUR BUSINESS

At Selsor, service is about more than ensuring you receive the right cables at the right time; it is about placing you at the core of our business. This drives us to provide you with cables that you need, delivered how you choose, when you require and always with a service you will enjoy.

SELSOR CUSTOMER CHARTER

- Our cables will meet your environmental and performance requirements at an optimal cost.
- We will work collaboratively with you to understand your supply chain and installation requirements.
- We will always aim to ensure stock availability.
- We will continuously invest in R&D, to develop cables in partnership with you, according to your needs.
- We will ensure that cable is delivered in the right quantity, at the right time, to the right place as efficiently as possible.
- We will always respond promptly, knowledgeably and courteously.
- We aim to continuously listen to you, with feedback being our most valuable resource and importantly use this information to improve our service to you.
- Selsor commit to a 25 year warranty on copper and optical fibre cabling systems and a 2 year warranty on all other products.

OUR COMMITMENT TO YOU

Our customer-centric approach is used within our operations, logistics, marketing and sales teams, not just our customer service department. We aim to create a positive customer experience for you before, during and after your orders have been processed.



A LOCAL COMPANY WITH GLOBAL REACH

Local offices in the UK,
Italy, Canada, China,
Saudi Arabia and the
UAE supplying cables
and unparalleled
customer support
worldwide.

QUALITY ASSURANCE

Your preferred cabling company

Our philosophy at Selsor is to guarantee superior quality and ensure long term customer satisfaction. From our Head office in the UK and within our other international offices, we enjoy a well-established culture of effective business improvement that emphasises our position globally as a preferred cable and system partner.

Quality Assurance

We value our relationships with long term approved partners. We not only run a strict Quality Assessment Process, but we also provide 100% pre-shipment inspections. To ensure that everything we do is to international industry standards we regularly invite Third Party experts to test our products and processes.

By adopting a continuous improvement philosophy across our entire business and supply chain, it ensures that our customers can continue to rely upon superior quality copper and optical fibre cabling products at every order.

Certification

Selsor copper and optical fibre cabling products meet the industry standards for RoHS, ISO 9001, LPCB, UL and CE marks.

Selsor warranty

Our commitment is to take full responsibility regarding the performance of our products and we assure our customers that; if shipped and installed to the applicable standards and codes of practice, our cables will meet all requirements of the compatible equipment and devices.

In coherence, Selsor guarantee that our optical fibre, copper cables and systems, or parts thereof, to be free from defects in manufacturing. We extend a product warranty period of 24 months throughout the entire range.

For copper and optical fibre cabling systems, when the entire network consists of Selsor components, is installed to industry standards and final test results are submitted to your local Selsor contact, then a performance warranty of 25 years is provided.

Most importantly, we guarantee that our cables will meet or exceed the performance specified in our technical data sheets – “WE DO WHAT WE SAY”.

Upon failure to meet the performance specification due to manufacturing default, we will guarantee replacement, at no cost to the customer.





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