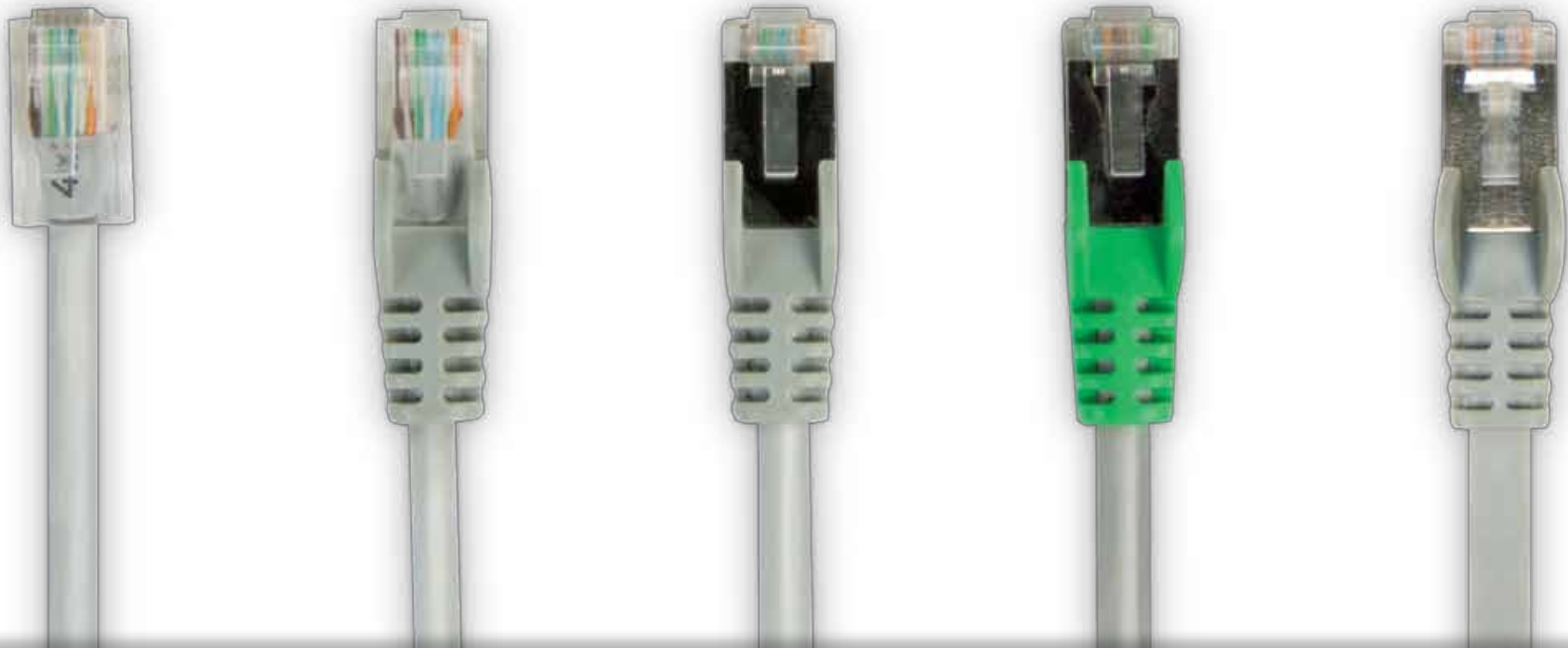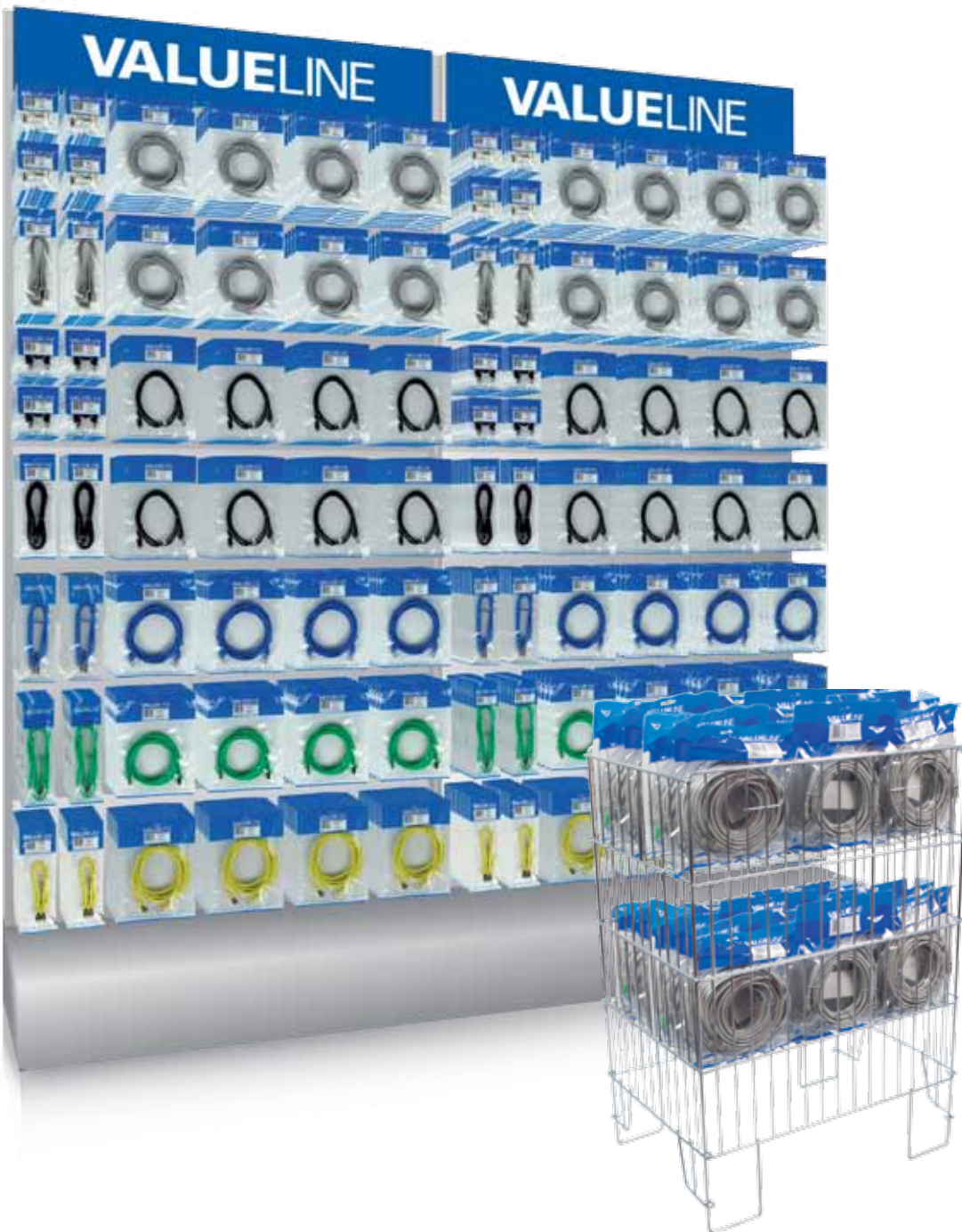# VALUELINE

Netwerkkabels Network Cables Netzwerkkabel Câbles réseau

Valueline Network Cable Concept

Valueline introduces the Valueline Network Cable Concept. This attractive concept contains the most commonly used network cables in different lengths and different colours that allow anyone to easily create, extend or colour code their network.

This extensive network cable concept is entirely modular, making it flexible and ideal to perfectly fit the available space in every store. All Valueline network cables are packed in poly bags; these see-through bags do not only keep the cables protected against dirt and damage, they also make it easy to instantly spot the desired cable, both in storage and in store, on a hook or in a basket.

This Valueline Network Cable Concept offers the perfect network cable solution for e-tail, retailer, installer and consumer: a flexible and attractive range with instant visual cable identification, which makes choosing the right network cable child's play.


Eurolock; easy to hang up

Specifications; Short and straightforward, immediately visible

Transparant poly bag; immediate visual cable identification

Network Cables

Network cables are used to connect active devices to a network cabling system. These flexible connections are essential to the performance of a data network. The Valueline network cable range was composed with great care and features solide CAT5, CAT5e, CAT6, CAT6a and CAT7 network cables, all available in UTP, FTP and SFTP. Besides different lenghts, the network cables are also available in different colours. On top of that, all network cables in this concept are equipped with snagless moulded plugs that create a seamless and solide connection between plug and cable.
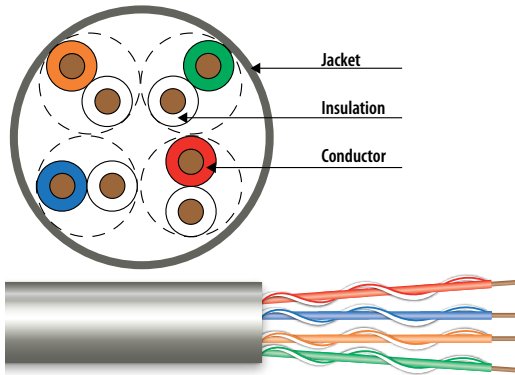
UTP

Unshielded Twisted Pair (UTP) does not have any electromagnetic shielding. It is the most important type of cable for telecom and is often used for computer networks.
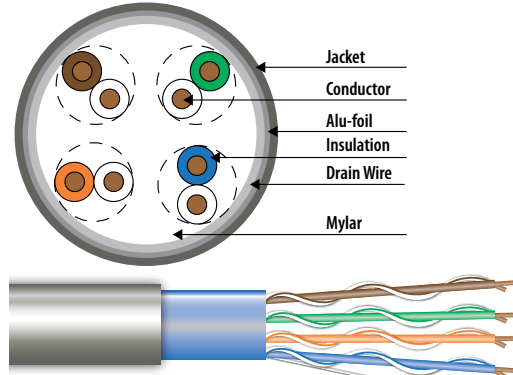
FTP

Foiled Twisted Pair (FTP). The FTP cable is actually a UTP cable that is surrounded by a foil, which increases the protection against electromagnetic interference.
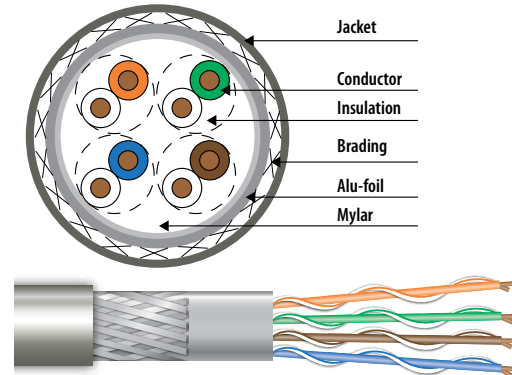
SFTP

Shielded Foiled Twisted Pair (SFTP), this is where the UTP cable is surrounded by a foil ('Foiled') and an extra metal braiding ('Shielded'), which increases the protection against electromagnetic interference even more.
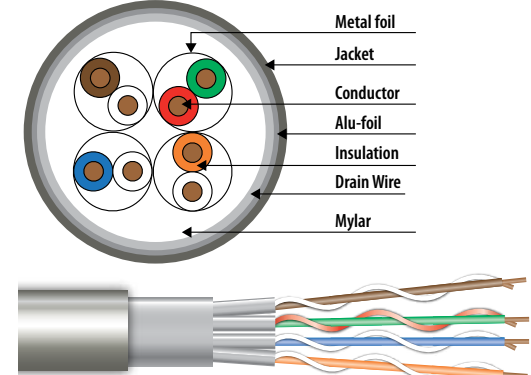
PiMF

Pair in Metal Foil, this is where the 4 twisted pairs are separately surrounded by foil, besides that the twisted pairs are also surrounded by foil shielding. This creates a very effective protection against electromagnetic interference.
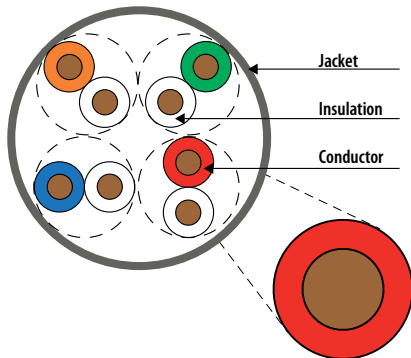
Solid Cables

Solid cables consist of wires with one solid conductor. Due to the mechanical ruggedness of solid cables they are used when cables don't or hardly have to be flexible. Solid cables are well protected against corrosion as they have relatively little surface area that is exposed to this.
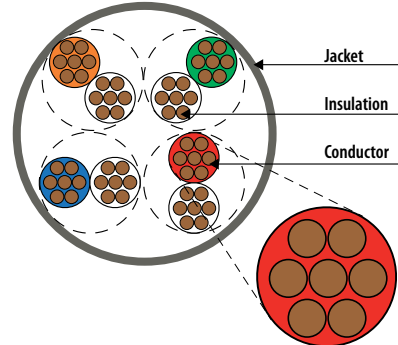
Stranded Cables

Stranded cables are composed of wires with a bundle of conductors that together form one larger conductor. Stranded cables are more flexible than solid cables. When higher resistance to metal fatigue is required, stranded cables are used.
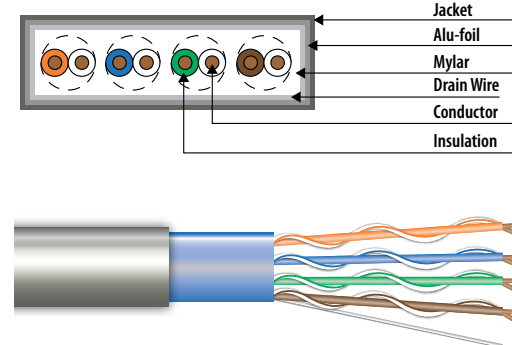
Flat Cable

A flat cable is a cable with multiple conducting wires running parallel to each other, resulting in a flat and flexible cable. As the wires of flat cables are not bundled, like the wires of rounded cable, these cables experience little to none signal interference.
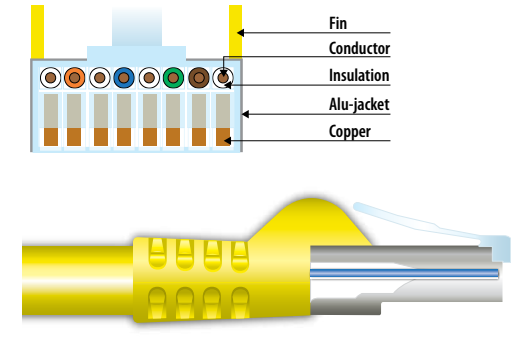
Snagless Plugs

The Valueline network cables are executed with 'snagless, moulded strain relief' plugs, which provide added strength and ensure a durable and solid connection between the cable and plug. The 'fins' on both sides prevent the lip from breaking.

RoHS

The goal of the RoHS guidelines is to improve the environmental performance of a product in every stage of its lifecycle. Some materials that are used in electronics can be an environmental and public health hazard during the production or the breakdown of products.

The European Union has taken measures to reduce the use of these materials. RoHS stands for Restriction of Hazardous Substances and is meant for restricting the use of the following 6 substances:

1. Lead (Pb)
2. Kwik (Hg)
3. Cadmium (Cd)
4. Hexavalent Chroom (Cr6+)
5. Polybrominated biphenyls (PBB)*
6. Polybrominated diphenyl ether (PBDE)*

* PBB and PBDE are flame retardants used in several plastics.

LSZH

Low Smoke Zero Halogen is a material classification typically used for cable jacketing in the wire and cable industry. LSZH cable jacketing is composed of thermoplastic or thermo set compounds that emit limited smoke and no halogen when exposed to high sources of heat, e.g. flame.

Most network cables are insulated with polyethylene, PVC or Thermoplastic Urethane (TPU). In a fire, a halogen-containing plastic material releases, e.g. hydrogen chloride, a poisonous gas that forms hydrochloric acid when it comes in contact with water. Designated Halogen-free cables, on the other hand, do not produce a dangerous gas/acid combination or toxic smoke when exposed to flame.

Low smoke zero halogen cable reduces the amount of toxic and corrosive gas emitted during combustion. This type of material is typically used in poorly ventilated areas such as aircraft or rail cars. Low smoke zero halogen is becoming very popular and, in some cases, a requirement where the protection of people and equipment from toxic and corrosive gas is critical.

UTP

FTP

SFTP

Category 5/5e

Category 5 cables, with a bandwidth of 100 MHz, are used for 100 Mbps Ethernet networks, but are not suitable for Gigabit networks. For Gigabit networks, we use Category 5e, which is suitable for 100 Mbps and 1000 Mbps Ethernet networks.

Besides Ethernet, these data networks are suitable for many different protocols, like analogue telecom, ISDN, ATM, Token Ring and RS-232 with a maximum reach of 100 metres.

Network Cable CAT 5e UTP, AWG26, 3µ Gold Plated CCA

m	0.25	0.5	1	2	3	5	10	15	20	30	50
	-	VLCP85000E0.50	VLCP85000E1.00	-	VLCP85000E3.00	VLCP85000E5.00	VLCP85000E10	-	-	-	

Network Cable CAT 5e UTP, AWG26 Copper, 50µ Gold Plated

m	0.25	0.5	1	2	3	5	10	15	20	30	50
	VLCP85100E0.25	VLCP85100E0.50	VLCP85100E1.00	VLCP85100E2.00	VLCP85100E3.00	VLCP85100E5.00	VLCP85100E10	VLCP85100E15	VLCP85100E20	VLCP85100E30	
	VLCP85100L0.25	VLCP85100L0.50	VLCP85100L1.00	VLCP85100L2.00	VLCP85100L3.00	VLCP85100L5.00	VLCP85100L10	VLCP85100L15	VLCP85100L20	VLCP85100L30	
	VLCP85100W0.25	VLCP85100W0.50	VLCP85100W1.00	VLCP85100W2.00	VLCP85100W3.00	VLCP85100W5.00	VLCP85100W10	VLCP85100W15	VLCP85100W20	VLCP85100W30	
	VLCP85100B0.25	VLCP85100B0.50	VLCP85100B1.00	VLCP85100B2.00	VLCP85100B3.00	VLCP85100B5.00	VLCP85100B10	VLCP85100B15	VLCP85100B20	VLCP85100B30	

Network Cable CAT 5e F/UTP, AWG26 Copper, 50µ Gold Plated

m	0.25	0.5	1	2	3	5	10	15	20	30	50
	VLCP85110E0.25	VLCP85110E0.50	VLCP85110E1.00	VLCP85110E2.00	VLCP85110E3.00	VLCP85110E5.00	VLCP85110E10	VLCP85110E15	VLCP85110E20	VLCP85110E30	-
	VLCP85110L0.25	VLCP85110L0.50	VLCP85110L1.00	VLCP85110L2.00	VLCP85110L3.00	VLCP85110L5.00	VLCP85110L10	VLCP85110L15	VLCP85110L20	VLCP85110L30	-
	VLCP85110W0.25	VLCP85110W0.50	VLCP85110W1.00	VLCP85110W2.00	VLCP85110W3.00	VLCP85110W5.00	VLCP85110W10	VLCP85110W15	VLCP85110W20	VLCP85110W30	-
	VLCP85110B0.25	VLCP85110B0.50	VLCP85110B1.00	VLCP85110B2.00	VLCP85110B3.00	VLCP85110B5.00	VLCP85110B10	VLCP85110B15	VLCP85110B20	VLCP85110B30	-
	VLCP85110G0.25	VLCP85110G0.50	VLCP85110G1.00	VLCP85110G2.00	VLCP85110G3.00	VLCP85110G5.00	VLCP85110G10	VLCP85110G15	VLCP85110G20	VLCP85110G30	-
	VLCP85110R0.25	VLCP85110R0.50	VLCP85110R1.00	VLCP85110R2.00	VLCP85110R3.00	VLCP85110R5.00	VLCP85110R10	VLCP85110R15	VLCP85110R20	VLCP85110R30	-

Network Cable CAT 5e SF/UTP, AWG26 Copper, 50µ Gold Plated

m	0.25	0.5	1	2	3	5	10	15	20	30	50
	-	VLCP85120E0.50	VLCP85120E1.00	VLCP85120E2.00	VLCP85120E3.00	VLCP85120E5.00	VLCP85120E10	VLCP85120E15	VLCP85120E20	-	-
	-	VLCP85120L0.50	VLCP85120L1.00	VLCP85120L2.00	VLCP85120L3.00	VLCP85120L5.00	VLCP85120L10	VLCP85120L15	VLCP85120L20	-	-

Crossover Cable CAT 5e F/UTP, AWG26 Copper, 50µ Gold Plated

m	0.25	0.5	1	2	3	5	10	15	20	30	50
	-	-	VLCP85150E1.00	-	VLCP85150E3.00	VLCP85150E5.00	VLCP85150E10	-	VLCP85150E20	-	VLCP85150E50

UTP

FTP

SFTP

Category 6

Category 6 cables, with a bandwidth of 100 MHz, are used for 100 Mbps and 1000 Mbps Ethernet networks with a maximum length of 100 metres. A 10 Gigabit/s Ethernet cable works up to a maximum of 55 metres. When cables are bundled together, the maximum length is merely 37 metres - due to Alien Crosstalk. Besides Ethernet, these data networks are suitable for many different protocols, like analogue telecom, ISDN, ATM, Token Ring and RS-232 with a maximum reach of 100 metres.

Network Cable CAT 6 UTP, AWG26 Copper, 50µ Gold Plated

m	0.25	0.5	1	2	3	5	10	15	20	30	50
	-	VLCP85200E0.50	VLCP85200E1.00	VLCP85200E2.00	-	VLCP85200E5.00	VLCP85200E10	VLCP85200E15	VLCP85200E20	VLCP85200E30	-
	-	VLCP85200L0.50	VLCP85200L1.00	VLCP85200L2.00	-	VLCP85200L5.00	VLCP85200L10	VLCP85200L15	VLCP85200L20	VLCP85200L30	-
	-	VLCP85200W0.50	VLCP85200W1.00	VLCP85200W2.00	-	VLCP85200W5.00	VLCP85200W10	VLCP85200W15	VLCP85200W20	VLCP85200W30	-
	-	VLCP85200B0.50	VLCP85200B1.00	VLCP85200B2.00	-	VLCP85200B5.00	VLCP85200B10	VLCP85200B15	VLCP85200B20	VLCP85200B30	-

Network Cable CAT 6 F/UTP, AWG26 Copper, 50µ Gold Plated

m	0.25	0.5	1	2	3	5	10	15	20	30	50
	VLCP85210E0.25	VLCP85210E0.50	VLCP85210E1.00	VLCP85210E2.00	VLCP85210E3.00	VLCP85210E5.00	VLCP85210E10	VLCP85210E15	VLCP85210E20	VLCP85210E30	-
	VLCP85210L0.25	VLCP85210L0.50	VLCP85210L1.00	VLCP85210L2.00	VLCP85210L3.00	VLCP85210L5.00	VLCP85210L10	VLCP85210L15	VLCP85210L20	VLCP85210L30	-
	VLCP85210W0.25	VLCP85210W0.50	VLCP85210W1.00	VLCP85210W2.00	VLCP85210W3.00	VLCP85210W5.00	VLCP85210W10	VLCP85210W15	VLCP85210W20	VLCP85210W30	-
	VLCP85210B0.25	VLCP85210B0.50	VLCP85210B1.00	VLCP85210B2.00	VLCP85210B3.00	VLCP85210B5.00	VLCP85210B10	VLCP85210B15	VLCP85210B20	VLCP85210B30	-
	VLCP85210G0.25	VLCP85210G0.50	VLCP85210G1.00	VLCP85210G2.00	VLCP85210G3.00	VLCP85210G5.00	VLCP85210G10	VLCP85210G15	VLCP85210G20	VLCP85210G30	-
	VLCP85210R0.25	VLCP85210R0.50	VLCP85210R1.00	VLCP85210R2.00	VLCP85210R3.00	VLCP85210R5.00	VLCP85210R10	VLCP85210R15	VLCP85210R20	VLCP85210R30	-
	VLCP85210Y0.25	VLCP85210Y0.50	VLCP85210Y1.00	VLCP85210Y2.00	VLCP85210Y3.00	VLCP85210Y5.00	VLCP85210Y10	VLCP85210Y15	VLCP85210Y20	VLCP85210Y30	-
	VLCP85210O0.25	VLCP85210O0.50	VLCP85210O1.00	VLCP85210O2.00	VLCP85210O3.00	VLCP85210O5.00	VLCP85210O10	VLCP85210O15	VLCP85210O20	VLCP85210O30	-
	VLCP85210P0.25	VLCP85210P0.50	VLCP85210P1.00	VLCP85210P2.00	VLCP85210P3.00	VLCP85210P5.00	VLCP85210P10	VLCP85210P15	VLCP85210P20	VLCP85210P30	-
	VLCP85210U0.25	VLCP85210U0.50	VLCP85210U1.00	VLCP85210U2.00	VLCP85210U3.00	VLCP85210U5.00	VLCP85210U10	VLCP85210U15	VLCP85210U20	VLCP85210U30	-

Network Cable CAT 6 SF/UTP, AWG26 Copper, 50µ Gold Plated

m	0.25	0.5	1	2	3	5	10	15	20	30	50
	-	VLCP85220E0.50	VLCP85220E1.00	VLCP85220E2.00	VLCP85220E3.00	VLCP85220E5.00	VLCP85220E10	VLCP85220E15	VLCP85220E20	-	-
	-	VLCP85220L0.50	VLCP85220L1.00	VLCP85220L2.00	VLCP85220L3.00	VLCP85220L5.00	VLCP85220L10	VLCP85220L15	VLCP85220L20	-	-
	-	VLCP85220W0.50	VLCP85220W1.00	VLCP85220W2.00	VLCP85220W3.00	VLCP85220W5.00	VLCP85220W10	VLCP85220W15	VLCP85220W20	-	-
	-	VLCP85220B0.50	VLCP85220B1.00	VLCP85220B2.00	VLCP85220B3.00	VLCP85220B5.00	VLCP85220B10	VLCP85220B15	VLCP85220B20	-	-

Flat Network Cable CAT 6 F/UTP, AWG28 Copper, 50µ Gold Plated

m	0.25	0.5	1	2	3	5	10	15	20	30	50
	VLCP85230E0.25	VLCP85230E0.50	VLCP85230E1.00	VLCP85230E2.00	VLCP85230E3.00	VLCP85230E5.00	VLCP85230E10	VLCP85230E15	VLCP85230E20	-	-
	VLCP85230L0.25	VLCP85230L0.50	VLCP85230L1.00	VLCP85230L2.00	VLCP85230L3.00	VLCP85230L5.00	VLCP85230L10	VLCP85230L15	VLCP85230L20	-	-
	VLCP85230W0.25	VLCP85230W0.50	VLCP85230W1.00	VLCP85230W2.00	VLCP85230W3.00	VLCP85230W5.00	VLCP85230W10	VLCP85230W15	VLCP85230W20	-	-
	VLCP85230B0.25	VLCP85230B0.50	VLCP85230B1.00	VLCP85230B2.00	VLCP85230B3.00	VLCP85230B5.00	VLCP85230B10	VLCP85230B15	VLCP85230B20		

Network Cable CAT 6 F/UTP, AWG26 Copper, 50µ Gold Plated, LSZH

m	0.25	0.5	1	2	3	5	10	15	20	30	50
	VLCP85240E0.25	VLCP85240E0.50	VLCP85240E1.00	VLCP85240E2.00	VLCP85240E3.00	VLCP85240E5.00	VLCP85240E10	VLCP85240E15	VLCP85240E20	-	-

Crossover Cable CAT 6 F/UTP, AWG26 Copper, 50µ Gold Plated

m	0.25	0.5	1	2	3	5	10	15	20	30	50
	-	VLCP85250E1.00	VLCP85250E1.00	VLCP85250E2.00	VLCP85250E3.00	VLCP85250E5.00	VLCP85250E10	-	VLCP85250E20	-	VLCP85250E50

FTP

Category 6a

Category 6a cables, with a bandwidth of 500 MHz, are used for 100 Mbps, 1000 Mbps and 10 Gigabit/s Ethernet networks with a maximum length of 100 metres. Besides Ethernet, these data networks are suitable for many different protocols, like analogue telecom, ISDN, ATM, Token Ring and RS-232 with a maximum reach of 100 metres.

Network Cable CAT 6a F/UTP, AWG26 Copper, 50µ Gold Plated

m	0.25	0.5	1	2	3	5	10	15	20	30	50
	-	VLCP85300E0.50	VLCP85300E1.00	VLCP85300E2.00	VLCP85300E3.00	VLCP85300E5.00	VLCP85300E10	VLCP85300E15	VLCP85300E20	VLCP85300E30	-
	-	VLCP85300L0.50	VLCP85300L1.00	VLCP85300L2.00	VLCP85300L3.00	VLCP85300L5.00	VLCP85300L10	VLCP85300L15	VLCP85300L20	VLCP85300L30	-
	-	VLCP85300W0.50	VLCP85300W1.00	VLCP85300W2.00	VLCP85300W3.00	VLCP85300W5.00	VLCP85300W10	VLCP85300W15	VLCP85300W20	VLCP85300W30	-

PIMF

Category 7

Category 7 is a standard for Ethernet and other connection techniques that are backwards compatible with the most used CAT5 and CAT6 Ethernet cables. CAT7 has a more strict specification against crosstalk and interference than CAT6. To achieve this, shielding was added over the individual cable pairs and the entire cable. (PiMF)

The CAT7 cable standard is made for transporting 10 Gigibit Ethernet through a copper cable, although currently CAT6a cable is used for this. The cable contains 4 copper twisted pairs, just like the previous standards. CAT7 can be connected to both RJ-45 GG45 and TERA connectors. CAT7 cable can reach speeds up to 600 MHz.

Network Cable CAT 7 PIMF, AWG26 Copper, 50µ Gold Plated

m	0.25	0.5	1	2	3	5	10	15	20	30	50
	-	VLCP85400E0.50	VLCP85400E1.00	VLCP85400E2.00	VLCP85400E3.00	VLCP85400E5.00	VLCP85400E10	VLCP85400E15	VLCP85400E20	VLCP85400E30	-
	-	VLCP85400L0.50	VLCP85400L1.00	VLCP85400L2.00	VLCP85400L3.00	VLCP85400L5.00	VLCP85400L10	VLCP85400L15	VLCP85400L20	VLCP85400L30	-

KÖNIG ELECTRONIC

Do-It-Yourself > Network Cable Solution

UTP   FTP   SFTP

When the standard lengths do not suffice and there is a need for a custom-made network cable or data network, the solution is there in the shape of cables on reel and single components. Realising a network,

small or large, is within reach with these elements. This Do-It-Yourself solution is essential to an installer and the perfect addition to the assortment of a retailer or e-tailer.

Plugs

Description	Order code
RJ45 CAT5 plug (10 pieces)	CMP-RJ45PL-C5
RJ45 CAT6 plug (10 pieces)	CMP-RJ45PL-C6
RJ45 CAT5 plug grey	ISDN-0025
RJ45 CAT5 plug black	ISDN-0026

Cable Boots

Description	Order code
Cable boot for RJ45 connector	ISDN-0001
Cable boot for RJ45 connector	ISDN-0002
Cable boot for RJ45 connector	ISDN-0005

Wall Plates

Description	Order code
CAT5 wall plate flush mount	ISDN-0023
CAT5 wall plate surface mount	ISDN-0024

Crimp Pliers

Description	Order code
Modular crimp pliers	CMP-MODCRIMPL1

Stranded Network Cables on reel

UTP CAT5e Network Cable on reel

m	50	100	305
	-	CMP-UTP5R100	CMP-UTP5R305

UTP CAT6 Network Cable on reel

m	50	100	305
	CMP-UTP6R50	CMP-UTP6R100	CMP-UTP6R305

FTP CAT5e Network Cable on reel

m	50	100	305
	-	CMP-FTP5R100	CMP-FTP5R305

FTP CAT6 Network Cable on reel

m	50	100	305
	CMP-FTP6R50	CMP-FTP6R100	CMP-FTP6R305

SFTP CAT5e Cable on reel

m	50	100	305
	-	CMP-SFTP5R100	CMP-SFTP5R305

Solid Network Cables on reel

UTP CAT5e Network Cable on reel

m	50	100	305
	-	CMP-UTP5R100S	CMP-UTP5R305S

UTP CAT6 Network Cable on reel

m	50	100	305
	-	CMP-UTP6R100S	CMP-UTP6R305S

FTP CAT5e Network Cable on reel

m	50	100	305
	-	CMP-FTP5R100S	CMP-FTP5R305S

FTP CAT6 Network Cable on reel

m	50	100	305
CMP-FTP6R50S	CMP-FTP6R100S	CMP-FTP6R305S	

FTP CAT5e Cable *for outdoor use*

m	50	100	305
	-	CMP-OFTP5R100S	CMP-OFTP5R305S