

LEONI QuickLine® Class E Cabling Solution



The Quality Connection

LEONI

Content

Infrastructure & Datacom

Solutions from a single source



LEONI is a global supplier of cabling systems and services for applications in the automotive business and other industries.

In its new Infrastructure & Datacom business unit, LEONI brings together the products and the expertise for power and communications networks in public buildings, in structural and civil engineering, in offices and in industry. Investors, integrators, planners, installers and businesses can thus obtain cables, connection technology and complete cabling solutions from a single source.

The range includes system solutions based on copper and fiber optic technology as well as halogen-free power cables with and without functional endurance. Innovations in the areas of safety, environmental compatibility and energy efficiency offer enhanced customer benefits.

Thanks to on-site consulting services and extensive experience, LEONI is an internationally recognised partner for your projects.

You will find detailed information on our website at:
www.leoni-infrastructure-datacom.com

Shielded solution, keystone	4
Shielded solution, punch-down	5
Unshielded solution, keystone	6
Unshielded solution, punch-down	7
Telephone solution	8
Patch cords	9
Wall outlets	10
System cables	11
Installation instruction: Keystone RJ45, shielded	12
Installation instruction: Keystone RJ45, unshielded	13
Summary & inquiry form	14



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LEONI QuickLine®

The complete system solution for shielded and unshielded network and communication infrastructure.

The German market leader for structured IT cabling solutions LEONI launches a class E cabling solution meeting the requirements of a rising demand of bandwidth around the world.

With high quality shielded and unshielded components we are able to exceed the requirements of ISO/IEC11801:2002 2nd edition.

Systems can be supplied in the well known punch-down technology but they are also available in modular form. All products (cable, wall outlets, jacks, panels and patch cords) have been designed and manufactured to be totally compatible ensuring the system can reach a high level of class E channel performance. The performance is further guaranteed as it is certified by an independent measurement laboratory.

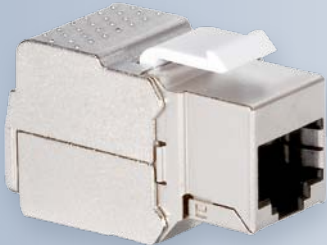
The system is available for use in many countries with wall outlets available in different country standards.

The patch cords as an important part of the system are both available in shielded and unshielded versions and are of a quality that enables the transmission channel to reach the full performance.



Shielded solution

keystone



QuickLine® Keystone RJ45 jack Tool-less

Description

- Screened RJ45 jack
- TIA/EIA 568 A&B wiring, easy installation
- for installation in keystone panel
- meets the requirements of class E/cat. 6
- acc. to ISO/IEC 11801:2002 2nd ed.
- RoHS compliant
- third party certified

Article	Article no.
QuickLine® Keystone RJ45 jack, Tool-less (50 pieces)	LKD 9ZQ0 0006 0000



QuickLine® Keystone panel – 1 RU, 24 port

Description

- 19" patch panel, 1 rack unit
- for 24 keystone jacks
- incl. cable management
- incl. earth connection
- incl. cable ties
- colour: black, RAL 9005
- housing: metal


Article	Article no.
QuickLine® Keystone panel – 1 RU, 24 port (1 piece)	LKD 9ZQ0 0010 0000



QuickLine® Wall outlet 80 x 80

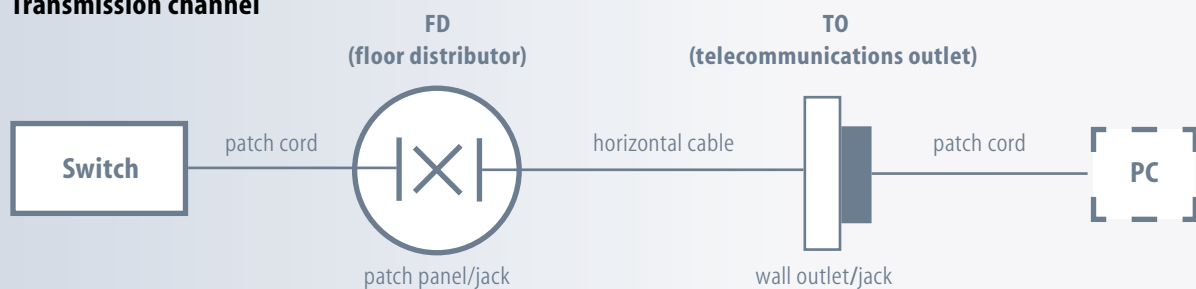
Description

- German style 
- plastic cover frame 80 x 80 mm with rectangular central plate 50 x 50 mm
- for integrating two keystone jacks (german style)
- colour: pure white, similar to RAL 9010
- incl. dust protection cover

Article	Article no.
 QuickLine® Wall outlet 80 x 80 (12 pieces)	LKD 9ZK0 0027 0000

French and UK-style see page 10

Transmission channel



Shielded solution

punch-down



QuickLine® RJ45 panel – 1 RU, 24 ports, shielded

Description

- 19" panel shielded with 24 RJ45 jacks
- IDC connector can accept 22–26 AWG solid and stranded cables
- TIA/EIA 568 A&B wiring, easy installation
- Termination: using of punch-down tool 110 or Krone tool
- Meets the requirements of class E according to ISO/IEC 11801:2002 2nd ed.
- Minimum link length: 20 m
- Minimum length of patch cords: 2 m
- Third party certified
- Colour: black, RAL 9005

Article	Article no.
QuickLine® RJ45 panel – 1 RU, 24 ports, shielded (1 piece)	LKD 9ZQ0 0011 0000



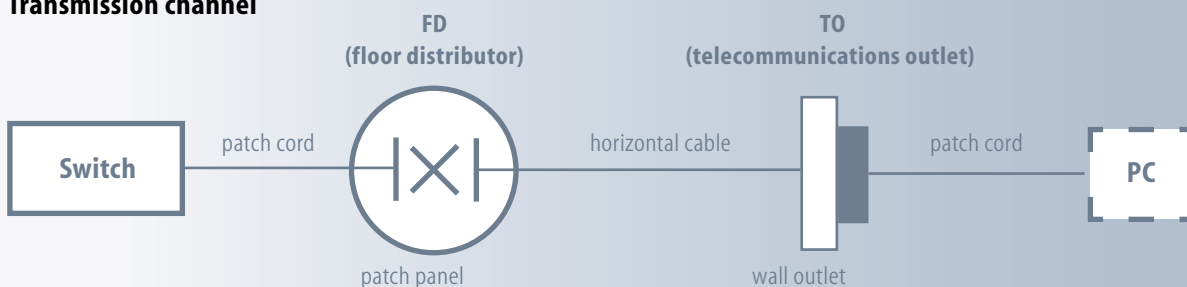
QuickLine® 2 port wall outlet 80 x 80, shielded

Description

- German style
- Plastic cover frame 80x80 mm with rectangular central plate 50x50 mm
- TIA/EIA 568 A&B wiring, easy installation
- Dual type IDC connector can accept 22–26 AWG solid and stranded cables
- Termination: using of punch-down tool 110 or Krone tool
- Shielded version protects against EMI/RFI interference
- Meets the requirements of class E according to ISO/IEC 11801:2002 2nd ed.
- RoHS compliant
- Minimum link length: 20 m
- Minimum length of patch cords: 2 m
- Third party certified
- Colour: white, RAL 9010

Article	Article no.
QuickLine® 2 port wall outlet 80 x 80, shielded (cable entry: left/right) (1 piece)	LKD 9ZE7 0009 0000
QuickLine® 2 port wall outlet 80 x 80, shielded (cable entry: top/bottom) (1 piece)	LKD 9ZE7 0010 0000

Transmission channel



Unshielded solution

keystone



QuickLine® Keystone RJ45 jack Tool-less

Description

- Unscreened RJ45 jack
- TIA/EIA 568 A&B wiring, easy installation
- dual IDC connector can accept 22–26 AWG solid cables
- for installation in keystone panel
- meets the requirements of class E/cat. 6
- acc. to ISO/IEC 11801:2002 2nd ed.
- RoHS compliant
- third party certified

Article	Article no.
QuickLine® Keystone RJ45 jack, Tool-less (50 pieces)	LKD 9ZQ0 0005 0000



QuickLine® Keystone panel – 1 RU, 24 port

Description

- 19" patch panel, 1 rack unit
- for 24 keystone jacks
- incl. cable management
- incl. earth connection
- incl. cable ties
- colour: black, RAL 9005
- housing: metal


Article	Article no.
QuickLine® Keystone panel – 1 RU, 24 port (1 piece)	LKD 9ZQ0 0010 0000



QuickLine® Wall outlet 80 x 80

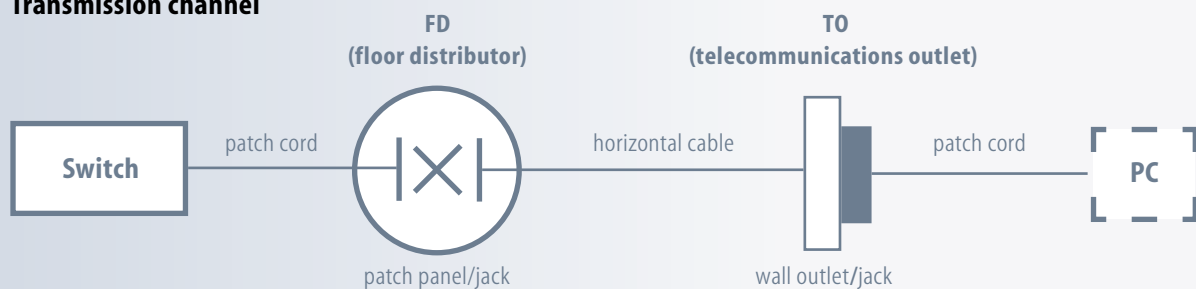
Description

- German style 
- plastic cover frame 80 x 80 mm with rectangular central plate 50 x 50 mm
- for integrating two keystone jacks (german style)
- colour: pure white, similar to RAL 9010
- incl. dust protection cover

Article	Article no.
 QuickLine® Wall outlet 80 x 80 (12 pieces)	LKD 9ZK0 0027 0000

French and UK-style see page 10

Transmission channel



Unshielded solution

punch-down



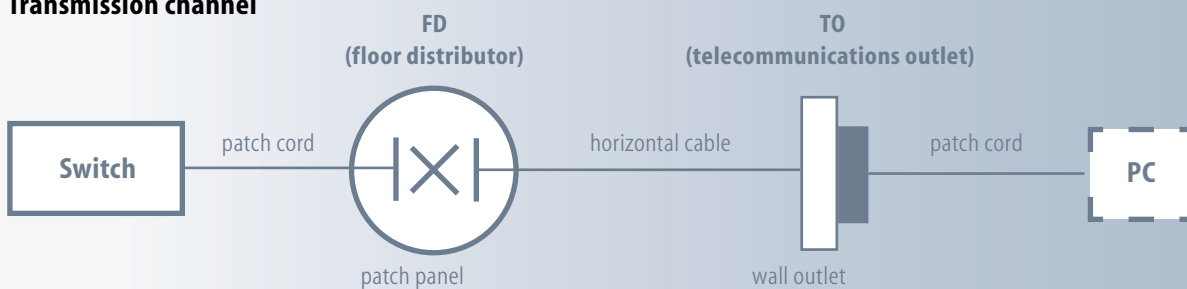
QuickLine® RJ45 panel – 1 RU, 24 ports, unshielded

Description

- 19" panel unshielded with 24 RJ45 jacks
- IDC connector can accept 22 –26 AWG solid and stranded cables
- TIA/EIA 568 A&B wiring, easy installation
- termination: using of punch-down tool 110 or Krone tool
- meets the requirements of class E according to ISO/IEC 11801:2002 2nd ed.
- minimum link length: 20 m
- minimum length of patch cords: 2 m
- third party certified
- colour: black, RAL 9005

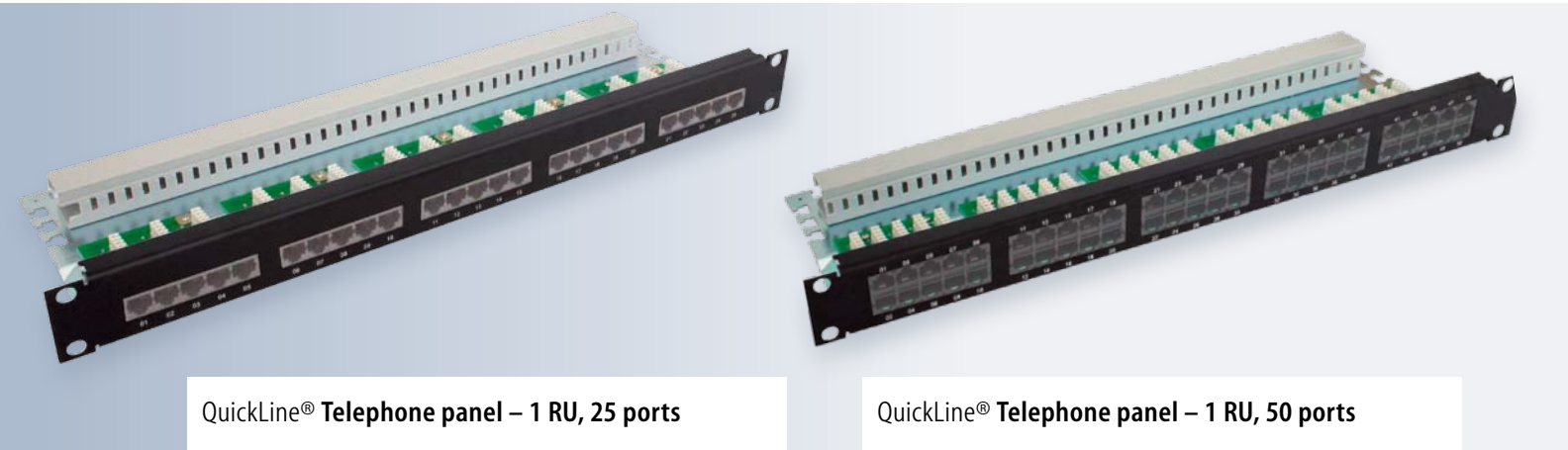
Article	Article no.
QuickLine® RJ45 panel – 1 RU, 24 ports, unshielded (1 piece)	LKD 9ZQ0 0019 0000

Transmission channel



Telephone solution

1 RU / 25 or 50 ports



QuickLine® Telephone panel – 1 RU, 25 ports

QuickLine® Telephone panel – 1 RU, 50 ports

Description

- High-density ISDN Category 3 19" patch panel
- with 25 standard RJ45 jacks
- all ports are numerically identified
- for mounting on 19" EIA racks
- integrated back cable management for separate cables provides organized and secure installation
- Material: sheet steel
- Colour: black, RAL 9005

Article	Article no.
QuickLine® Telephone panel – 1 RU, 25 ports (1 piece)	LKD 9ZQ0 0012 0000

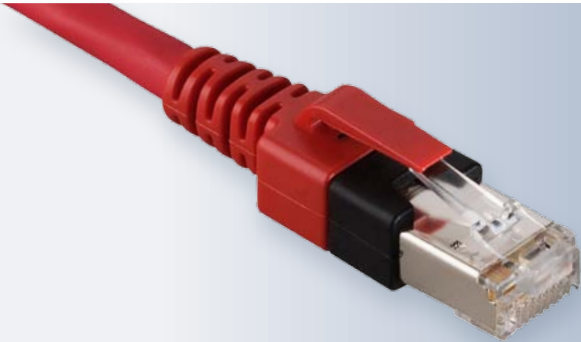
Description

- High-density ISDN Category 3 19" patch panel
- with 50 standard RJ45 jacks
- all ports are numerically identified
- for mounting on 19" EIA racks
- integrated back cable management for separate cables provides organized and secure installation
- Material: sheet steel
- Colour: black, RAL 9005

Article	Article no.
QuickLine® Telephone panel – 1 RU, 50 ports (1 piece)	LKD 9ZQ0 0013 0000

Patch cord

500 MHz / Cat. 6 – shielded



MegaLine® Patch 6EA-RJ45

Description

- Copper patch cord RJ45/RJ45 shielded
- 1:1 allocation
- colour coated tension relief

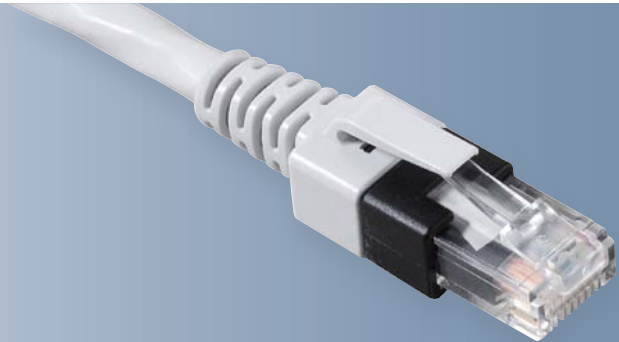
Length	Article no.		
m	grey (PVC)	blue (PVC)	green (PVC)
0.5	LKD 9A01 0400 0000	LKD 9A01 0410 0000	LKD 9A01 0420 0000
1.0	LKD 9A01 0401 0000	LKD 9A01 0411 0000	LKD 9A01 0421 0000
1.5	LKD 9A01 0402 0000	LKD 9A01 0412 0000	LKD 9A01 0422 0000
2.0	LKD 9A01 0403 0000	LKD 9A01 0413 0000	LKD 9A01 0423 0000
2.5	LKD 9A01 0404 0000	LKD 9A01 0414 0000	LKD 9A01 0424 0000
3.0	LKD 9A01 0405 0000	LKD 9A01 0415 0000	LKD 9A01 0425 0000
4.0	LKD 9A01 0406 0000	LKD 9A01 0416 0000	LKD 9A01 0426 0000
5.0	LKD 9A01 0407 0000	LKD 9A01 0417 0000	LKD 9A01 0427 0000
7.5	LKD 9A01 0408 0000	LKD 9A01 0418 0000	LKD 9A01 0428 0000
10.0	LKD 9A01 0409 0000	LKD 9A01 0419 0000	LKD 9A01 0429 0000

Length	Article no.	
m	yellow (PVC)	red (PVC)
0.5	LKD 9A01 0430 0000	LKD 9A01 0440 0000
1.0	LKD 9A01 0431 0000	LKD 9A01 0441 0000
1.5	LKD 9A01 0432 0000	LKD 9A01 0442 0000
2.0	LKD 9A01 0433 0000	LKD 9A01 0443 0000
2.5	LKD 9A01 0434 0000	LKD 9A01 0444 0000
3.0	LKD 9A01 0435 0000	LKD 9A01 0445 0000
4.0	LKD 9A01 0436 0000	LKD 9A01 0446 0000
5.0	LKD 9A01 0437 0000	LKD 9A01 0447 0000
7.5	LKD 9A01 0438 0000	LKD 9A01 0448 0000
10.0	LKD 9A01 0439 0000	LKD 9A01 0449 0000

Pcs. per packing unit: 10

Patch cord

250 MHz / Cat. 6 – shielded



MegaLine® Patch 6E-RJ45U

Description

- Copper patch cord RJ45/RJ45 unshielded
- 1:1 allocation
- grey coated tension relief

Length	Article	Article no.
m		grey (LSOH)
0.5	MegaLine® Patch 6E-RJ45U	LKD 9A05 0027 0000
1.0		LKD 9A05 0028 0000
1.5		LKD 9A05 0029 0000
2.0		LKD 9A05 0030 0000
2.5		LKD 9A05 0031 0000
3.0		LKD 9A05 0032 0000
4.0		LKD 9A05 0033 0000
5.0		LKD 9A05 0034 0000
7.5		LKD 9A05 0035 0000
10.0		LKD 9A05 0035 0000


Wall outlets


for keystone modules



QuickLine® Wall outlet 45 x 45

Description


- French style 
- wall outlet for installation in french wall outlet systems
- integrated dust protection
- for installation of 1 or 2 LEONI QuickLine® shielded or unshielded keystone jacks



Article	Article no.
 QuickLine® Wall outlet 45 x 45 (12 pieces)	LKD 9ZQ0 0015 0000



QuickLine® Wall outlet 86 x 86

Description

- UK style 
- wall outlet for installation in UK style wall outlet systems
- integrated dust protection
- for installation of 1 or 2 LEONI QuickLine® shielded or unshielded keystone jacks



Article	Article no.
 QuickLine® Wall outlet 45 x 45 – Frame (50 pieces)	LKD 9ZE8 0006 0000
 QuickLine® Wall outlet 45 x 45 – Insert (50 pieces)	LKD 9ZE8 0004 0000



QuickLine® Dummy cover

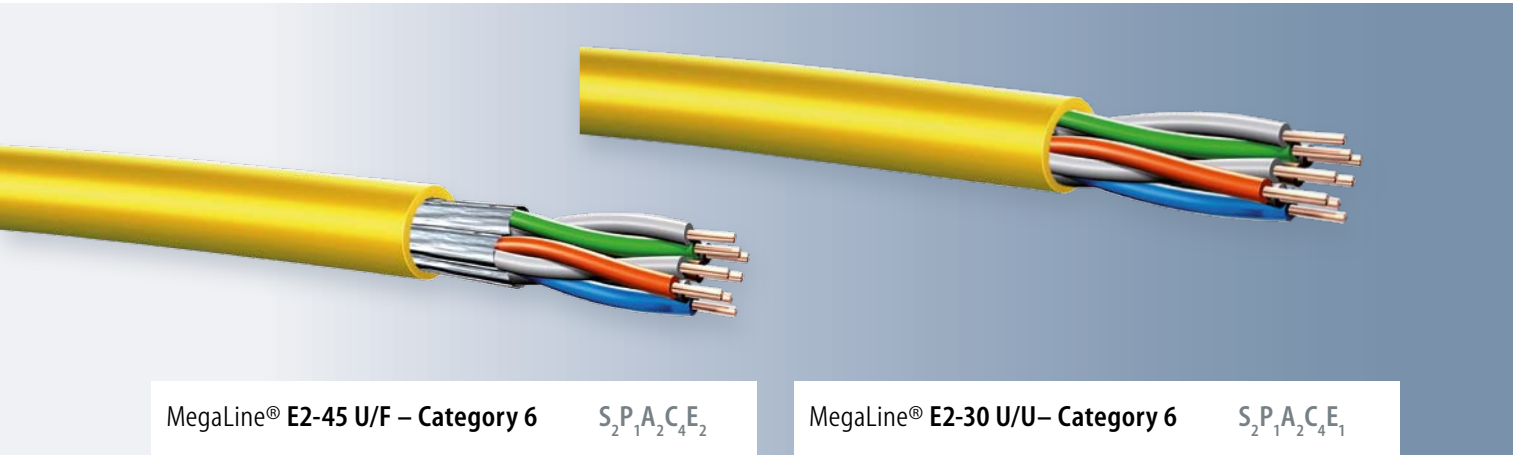
Description

- UK style 
- for installation in UK style wall outlet systems

Article	Article no.
 QuickLine® Dummy cover 12.5 mm (50 pieces)	LKD 9ZQ0 0016 0000
 QuickLine® Dummy cover 25 mm (50 pieces)	LKD 9ZQ0 0017 0000

System cables

Category 6



MegaLine® E2-45 U/F – Category 6

 $S_2P_1A_2C_4E_2$

Description

- Type: KS-02YSH 4x2xAWG 23/1 PIMF
- performance: better than category 6 acc. EN 50288 and IEC 61156, very good NEXT, low SKEW, Bandwidth 450 MHz
- conductor: Bare copper wire, AWG 23/1
- insulation: Cellular-PE
- individual screen: Aluminium-bonded polyester tape
- wrapping: plastic foil (optional) with underlayered tinned copper drain wire
- outer sheath: halogen-free, flame retardant compound
- colour code: wh/bu, wh/or, wh/gn, wh/bn
- colour outer sheath: yellow, RAL 1021

Article	Article no.
QuickLine® E2-45 U/F – Category 6 (Drum 1,000 m)	LKD 7KS6 0005 0000

MegaLine® E2-30 U/U – Category 6

 $S_2P_1A_2C_4E_1$

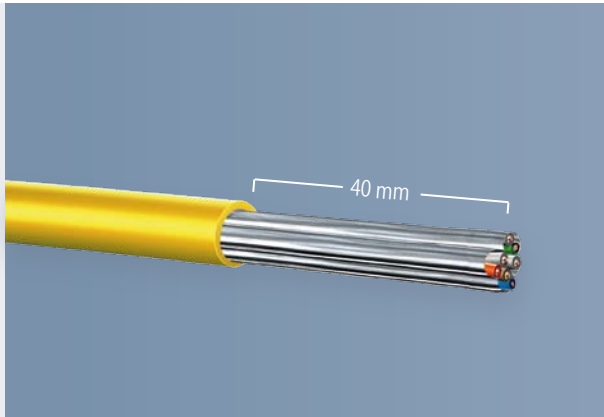
Description

- Type: KS-2YH 4x2xAWG 23/1
- performance: better than category 6 acc. EN 50288 and IEC 61156, Bandwidth 300 MHz
- conductor: bare copper wire, AWG 23/1
- insulation: PE
- wrapping: 4 pairs separated by a cross element
- outer sheath: halogen-free, flame retardant compound
- colour code: whbu/bu, whor/or, whgn/gn, whbn/bn
- colour outer sheath: yellow, RAL 1021

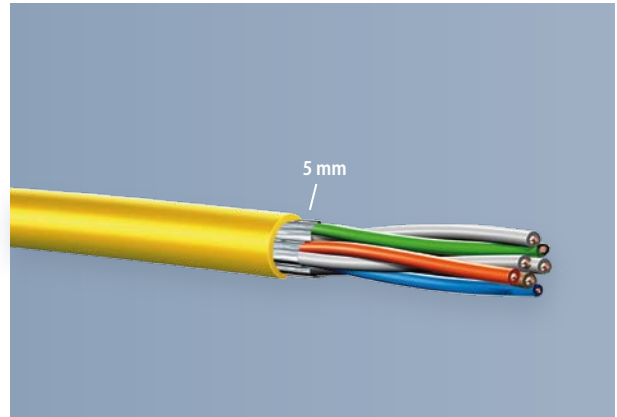
Article	Article no.
QuickLine® E2-30 U/U – Category 6 (Drum 1,000 m/box 305 m)	LKD 7KS6 0002 0000

Installation instruction

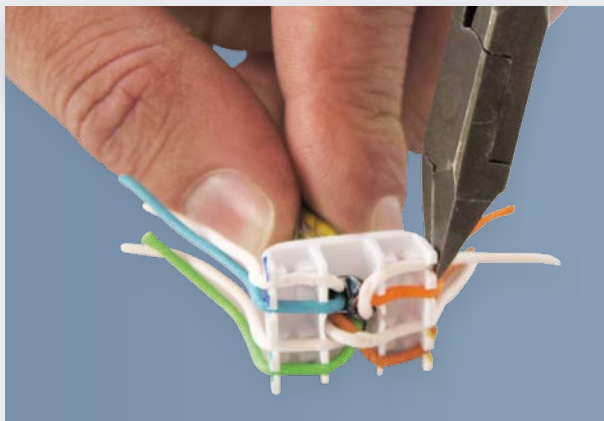
Keystone RJ45, shielded



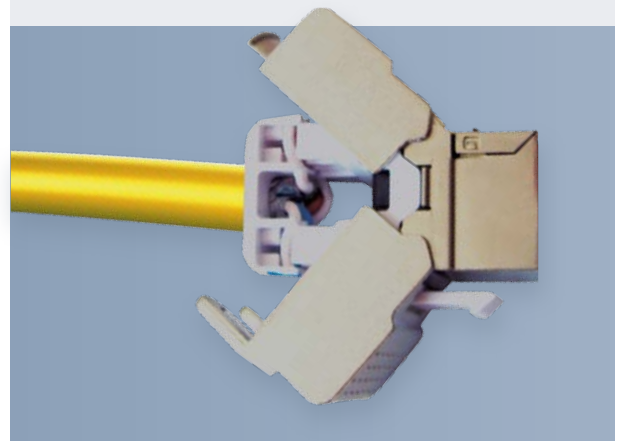
1. Strip the outer sheath up to 40 mm.



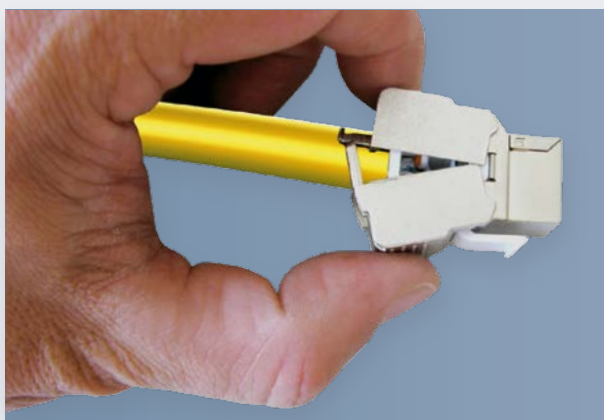
2. Strip the alu-foils up to 5 mm.



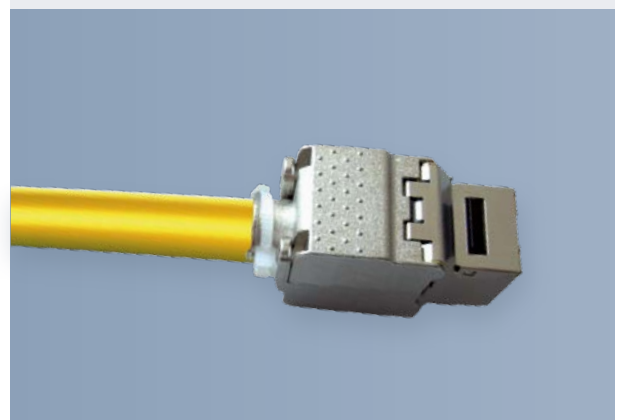
3. Put the conductors into the notches according to the colour coding. Cut the conductors flush with the separator.



4. Put the wiremanager onto the IDC contacts according to the colour code.



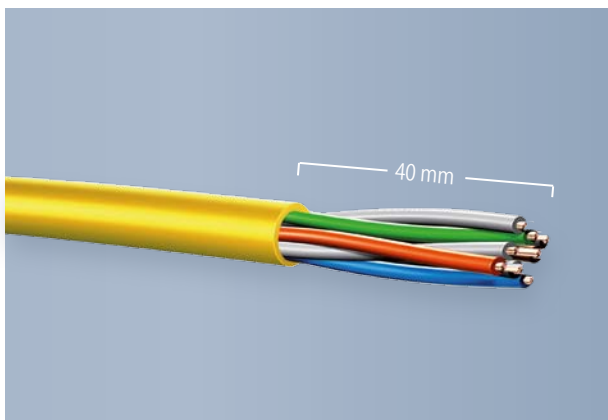
5. Press cover together until it "clicks".



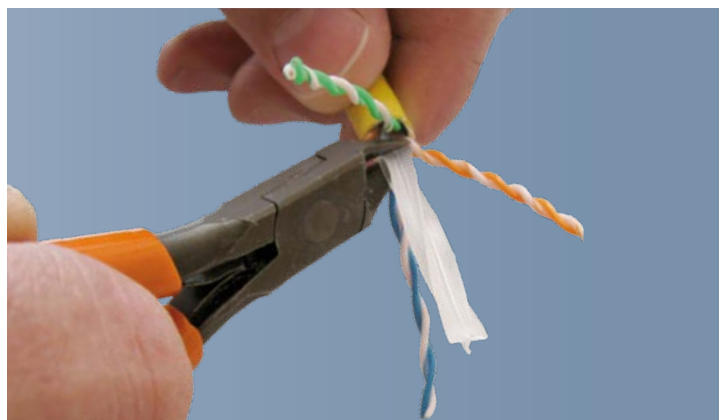
6. Fix the cable tie.

Installation instruction

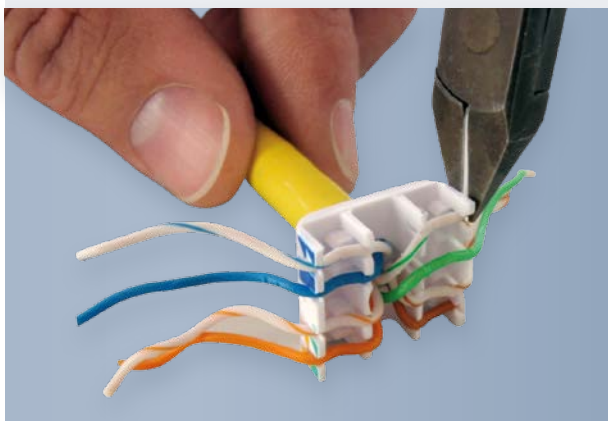
Keystone RJ45, unshielded



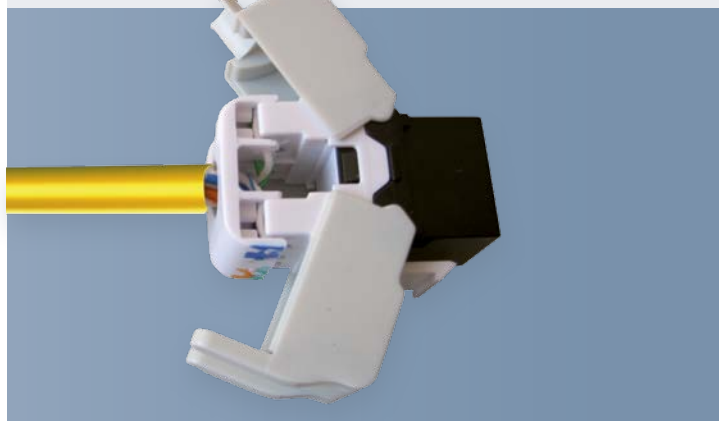
1. Strip the outer sheath to 40 mm.



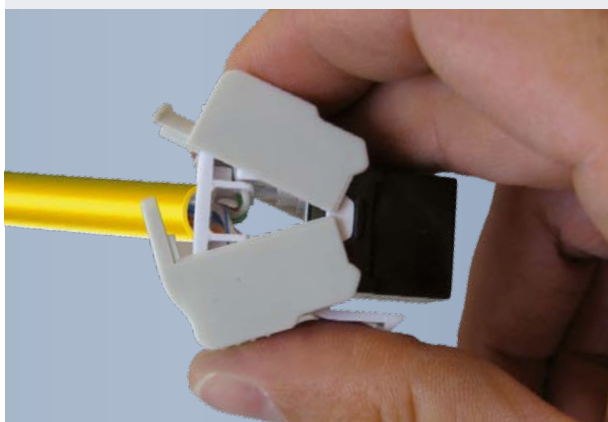
2. Cut the cross element.



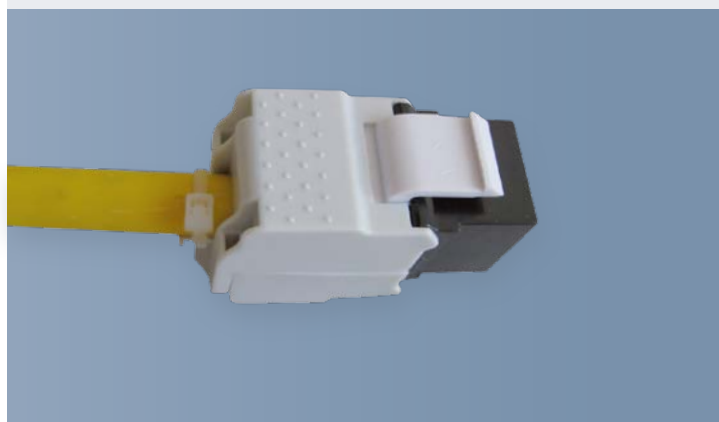
3. Put the conductors into the notches according to the colour coding. Cut the conductors flush with the separator.



4. Put the wiremanager onto the IDC contacts according to the colour code.



5. Press cover together until it "clicks".



6. Fix the cable tie.

Summary & inquiry form

Page	Article no.	Description	Pieces per Packing unit	Packing units (please fill in)
11	LKD 7KS6 0002 0000	MegaLine® E2-30 U/U system cable	1,000 m 305 m	
11	LKD 7KS6 0005 0000	MegaLine® E2-45 U/F system cable	1,000 m	
9	LKD 9A05 00__ 0000	MegaLine® Patch 6EA-RJ45, copper patch cord, 500 MHz	10	
9	LKD 9A02 11__ 0000	MegaLine® Patch 6E-RJ45U, copper patch cord, 250 MHz	10	
5	LKD 9ZE7 0009 0000	LEONI QuickLine® 2 port wall outlet 80 x 80, shielded (cable entry: left/right)	12	
5	LKD 9ZE7 0010 0000	LEONI QuickLine® 2 port wall outlet 80 x 80, shielded (cable entry: top/bottom)	12	
10	LKD 9ZQ0 0016 0000	LEONI QuickLine® Dummy cover (12.5 mm)	50	
10	LKD 9ZQ0 0017 0000	LEONI QuickLine® Dummy cover (25 mm)	50	
4/6	LKD 9ZQ0 0010 0000	LEONI QuickLine® Keystone panel	1	
4	LKD 9ZQ0 0006 0000	LEONI QuickLine® Keystone RJ45 jack, shielded	50	
6	LKD 9ZQ0 0005 0000	LEONI QuickLine® Keystone RJ45 jack, unshielded	50	
5	LKD 9ZQ0 0011 0000	LEONI QuickLine® RJ45 panel, shielded	1	
7	LKD 9ZQ0 0019 0000	LEONI QuickLine® RJ45 panel, unshielded	1	
8	LKD 9ZQ0 0012 0000	LEONI QuickLine® Telephone panel, 25 ports	1	
8	LKD 9ZQ0 0013 0000	LEONI QuickLine® Telephone panel, 50 ports	1	
10	LKD 9ZQ0 0015 0000	LEONI QuickLine® Wall outlet 45 x 45, French style	12	
4/6	LKD 9ZK0 0027 0000	LEONI QuickLine® Wall outlet 80 x 80, German style	12	
10	LKD 9ZQ0 0018 0000	LEONI QuickLine® Wall outlet box 86 x 86, UK style	12	
10	LKD 9ZE8 0006 0000	LEONI QuickLine® Wall outlet frame 86 x 86, UK style	50	
10	LKD 9ZE8 1004 0000	LEONI QuickLine® Wall outlet insert, UK style	50	

Company

Name

Address

Postcode/City

Country

Phone

Fax

Email

Please...

- send me a quotation
(products mentioned above)
- send me more information
on LEONI products
- contact me

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