



Link



LK connectors

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LKA Audio Multipin

Based on the MIL-C-5015 and VG 95234 standards, LKA connectors maintain the basic principle of strength and reliability of the military connectors. The restyling and construction of this range have been specifically studied to meet the needs of the entertainment industry. LKA configurations and their wiring standards, well established in the market, allow easy connection in all Live and Pa Rental business applications.

LKA are available in male and female configurations in both cable and panel versions. The standard version features easy-grip long metal locking ring with internal roller coupling studs. The special retention of the protection dust cap was planned for military and railway applications.

A full range of options featuring slim locking rings, PCB versions, silver (from 13 to 85 pins) or gold (entire range) contacts, male and female connector dust caps, to satisfy the most demanding requirements. Also available on request a 19 pin configuration by leading loudspeaker manufacturers as L-Acoustics.

For any different configuration requirement do not hesitate to contact us for a custom solution.



LK Series Standard cable connectors feature easy-grip long and slim metal locking rings, aluminium backshells and skin tops with anti-bending spring (from 13 to 54 pin versions) or standard skin tops (from 85 to 200 pin versions).

The studs are roller version ensure easier coupling and a longer number of operations due to a lower wear and tear of coupling ramps.

- 13 to 200 pins (4 to 66 channels)

- Easy and error-free mating

- Audible snap in quick bayonet lock

- Excellent resistance against unlocking

- Guaranteed for over 2000 coupling operations

- Waterproof up to 10 m (33 ft) for 12 hours

- Skin top cable clamp

- Highly resistant black finishing

- Roller studs for easier coupling

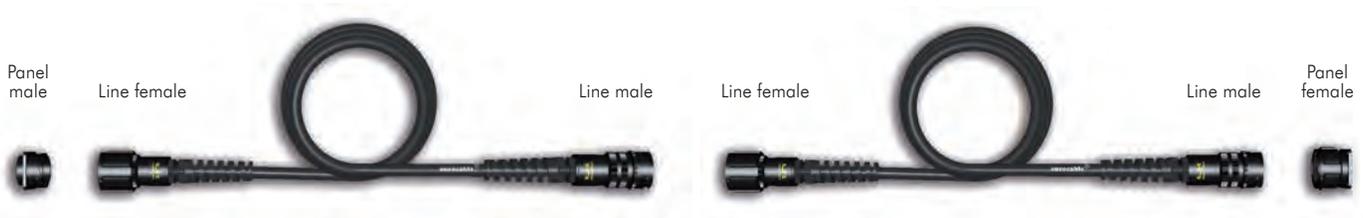
- High resistance to shock and vibrations



LK Series Rubber locking rings are available for inline connectors in all configurations.

Reverse series Locking ring on male connectors. Available on request in all configurations.

STANDARD WIRING



LKA Series Connector (pins are to be ordered separately)

Cable mounting

Male



LK 13 MV	13 poles
LK 19 MV	19 poles
LK 25 MV	25 poles
LK 37 MV	37 poles
LK 54 MV	54 poles
LK 85 MV	85 poles
LK 150 MV	150 poles
LK 200 MV	200 poles

Female



LK 13 FV	13 poles
LK 19 FV	19 poles
LK 25 FV	25 poles
LK 37 FV	37 poles
LK 54 FV	54 poles
LK 85 FV	85 poles
LK 150 FV	150 poles
LK 200 FV	200 poles

Accessories

Dust cap



LK 20 TPM	For LK 13-19
LK 24 TPM	For LK 25
LK 28 TPM	For LK 37
LK 32 TPM	For LK 54
LK 40 TPM	For LK 85-150-200

For connectors without locking ring

Panel mounting

Male



LK 13 MP	13 poles
LK 19 MP	19 poles
LK 25 MP	25 poles
LK 37 MP	37 poles
LK 54 MP	54 poles
LK 85 MP	85 poles
LK 150 MP	150 poles
LK 200 MP	200 poles

Female



LK 13 FP	13 poles
LK 19 FP	19 poles
LK 25 FP	25 poles
LK 37 FP	37 poles
LK 54 FP	54 poles
LK 85 FP	85 poles
LK 150 FP	150 poles
LK 200 FP	200 poles

Cable mounting with rubber locking ring

Female



LKP * FV * poles
LKP * FV ** * poles

Items subject to Minimum Order Qty

* from 13 to 200 poles

** **B** Blue **R** Red **G** Green **Y** Yellow

LKA Connectors for PCB



LKI 25 FPS	13 poles
LKI 25 MPS	25 poles
LKI 37 MPS	37 poles
LKI 54 MPS	54 poles
LKI 85 MPS	85 poles
LKI 150 MPS	150 poles

Pins

Male



Crimp version Gold for
LK PMD LK 13-19-25-37-54-85
LK PMA Silver for LK 13-25-37-54-85
LK PMD R Gold for LK 150
LK PMD RR C Gold for LK 200

Solder version

LK PMD RR S Gold for LK 200

Female



Crimp version Gold for
LK PFD T LK 13-19-25-37-54-85
LK PFA T Silver for LK 13-25-37-54-85
LK PFD R T Gold for LK 150
LK PFD RR C Gold for LK 200

Solder version

LK PFD RR S Gold for LK 200

T= Tulip version

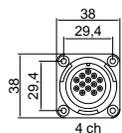
Rubber locking ring



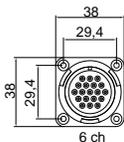
LK 20 RL**	For LK 13-19
LK 24 RL**	For LK 25
LK 28 RL**	For LK 37
LK 32 RL**	For LK 54
LK 40 RL**	For LK 85-150-200

Items subject to Minimum Order Qty

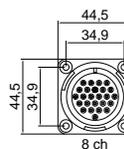
** **B** Blue **R** Red **G** Green **Y** Yellow



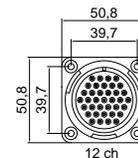
Size 20 - 13 pins size 16



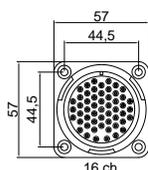
Size 20 - 19 pins size 16



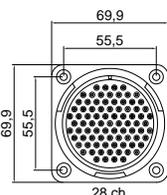
Size 24 - 25 pins size 16



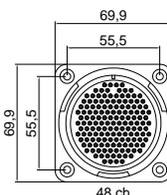
Size 28 - 37 pins size 16



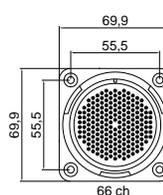
Size 32 - 54 pins size 16



Size 40 - 85 pins size 16



Size 40 - 150 pins size 18



Size 40 - 200 pins size 20

Speaker Connectors

These connectors featuring 8 and 9 pins version (4 pins upon request) and M32x1.5 cable relief are currently used by leading loudspeaker manufacturers. Fully intermateable with CA-COM style connectors, they are becoming increasingly popular in the market due to their robust construction ideal for touring applications.



Rubber locking ring available on both bayonet style and screw coupling connectors.

LKI 08 and LKI 09

- 8 or 9 pins (4 on request)
- Audible snap in quick bayonet lock
- Guaranteed for over 2000 coupling operations
- Waterproof up to 10 m (33 ft) for 12 hours
- Roller studs for easier coupling
- High resistance to shock and vibrations



LKA 16 - LKS 19

- 16 to 19 pins
- Screw coupling connectors
- Silk screen identification
- Excellent resistance against unlocking
- Part no. like LKS but with A instead of S after LK

Link standard LKS Socapex style connector has been adapted to be used as a 16 pins speaker connector, following indications from the largest international rental companies.

This configuration offers the sufficient number of contacts for this application with no risk of incorrect interconnections with lighting connectors, preserving the choice of various models available in the LKS 19 pin connector range (eg. rubber locking ring in various colors, with set screw, long back shell etc.). The standard LKS 19 pin connector is also available (Socapex style), as utilized by D&B.

The **LKI 08 adapter** (CA-COM compatible) featuring a male and a female LKI 08 connector mounted back-to-back without locking rings, enables the connection of two 8 pin extension cables, thus obtaining the desired length needed. Eight-core speaker cables are generally configured with a male and a female connector on each end, both with a locking ring, to permit connection to equipment mounting panel connectors. The LKI 08 adapter is designed to perfectly connect the 8-pin female and male connector onto it by easily tightening each connector's locking ring on the adapter.



LK 08 Connectors

Cable mounting



Male

LK* 08 MV 8 poles gold pins

Female reverse

LK* 08R FV 8 poles gold pins

Panel mounting

Male



LK* 08 MP 8 poles gold pins

Cable mounting with locking ring



Male reverse

LK* 08R MV P 8 poles gold pins

Female

LK* 08 FV 8 poles gold pins

Female



LK* 08 FP 8 poles gold pins

Cable mounting with rubber locking ring



Male reverse

LK* 08R MV P P 8 poles gold pins

LK* 08R MV P ** 8 poles gold pins

Items subject to Minimum Order Qty

Female

LK* 08 FV P 8 poles gold pins

LK* 08 FV P ** 8 poles gold pins

Items subject to Minimum Order Qty

Female reverse



LK* 08R FP 8 poles gold pins

LK 09 Connectors

Cable mounting

Male



LK* 09 MV 9 poles gold pins

Female



LK* 09 FV 9 poles gold pins

Panel mounting

Male



LK* 09 MP 9 poles gold pins

Female



LK* 09 FP 9 poles gold pins

Cable mounting with rubber locking ring

Female



LK* 09 FV P 9 poles gold pins

* Use letter "A" to order crimp version or "I" for solder version connectors

Accessories

Adapter



LKA 08 EXT 08 Adapter

Dust caps



For connectors:

LK 20 TPM LK 09 without locking ring

LK 20 TPF LK 09 with locking ring

LK 22 TPM LK 08 without locking ring

LK 22 TPF LK 08 with locking ring

Rubber locking ring



LK 20 RL**

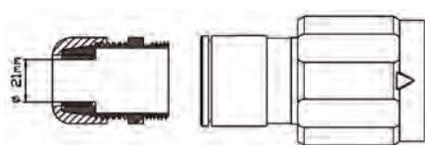
For LK1 09

LK 22 RL**

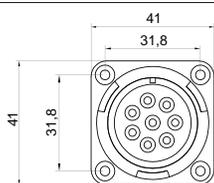
For LK1 08

Items subject to Minimum Order Qty

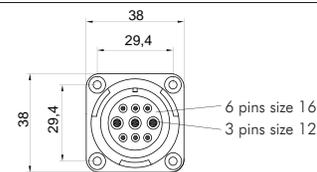
** **B** Blue **R** Red **G** Green **Y** Yellow



M32X1,5 - Cable relief



LK1 08
Size 22 - 8 pins size 12



LK1 09
Size 20

6 pins size 16
3 pins size 12

Multisignal Speaker

Thanks to the continuous direct line with its customers and the great flexibility in autonomously manufacturing cables and connectors, custom boxes and panels, which have long distinguished Link as a unique player in the sector, the company's challenge in recent years has been the creation of solutions for the distribution of different types of signals to satisfy those specific needs which new equipment or customer applications require.

With regards to speaker array connections, two particular connectors and cables have been developed to satisfy the needs of new equipment requiring the connection of an increasing number of different types of channels in one sole connector mating.



LKA 48/6 was designed to connect speaker clusters to their amplifiers utilizing the least possible number of cables, up to 24 speaker channels using a cable with a 4mm² section, Eurocable 36N40AD2 or 48N40AD2. Additionally, there are 2x AES/EBU channels for laser pointing and inclinometer control, and the LKA 48/6 features a mesh cable gland as standard for maximum durability.



- Easy and error-free mating

- Audible snap in quick bayonet lock

- Excellent resistance against unlocking

- Guaranteed for over 2000 coupling

- Waterproof up to 10 m (33 ft) for 12 hours

- Mesh cable gland (48/6)

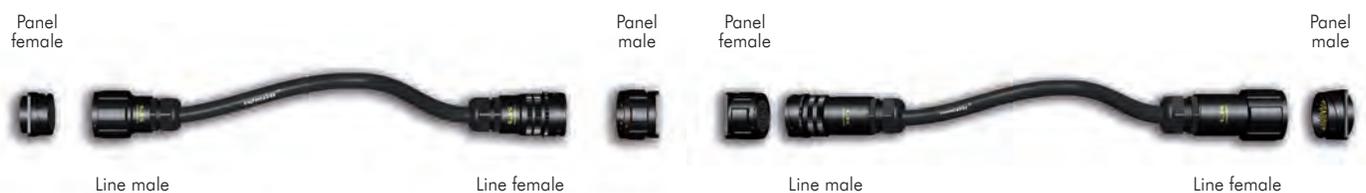
- Highly resistant black finishing

- Roller studs for easier coupling

- High resistance to shock and vibrations

LKA 32/25 was designed to reliably transport 12 independent speaker channels, joining the LK 04, LK 08, LK 16 and LK 48/6 family of live entertainment connectors. A wide range of snake and break-in/out cables are available with connector option used by leading speaker manufacturers: Neutrik-NL, Amphenol Eps, or circular CA-COM compatible connectors. Our 24N40 cable with the 32/25 connector expands Link's ability to provide customized AMP boxes, snakes, and break-in/out cables to fulfill the increasing demands of our Customers.

STANDARD WIRING



LK 48/6 Connectors

Cable mounting

Male



LK* 48/6 MV 54 poles
LK* 48/6 MVK plus kellems
LK* 48/6 MV M63 (on request)

Female



LK* 48/6 FV 54 poles
LK* 48/6 FVK plus kellems
LK* 48/6 FV M63 (on request)

Cable mounting with rubber locking ring

Female



LK* 48/6 FV P 54 poles
LK* 48/6 FVK P plus kellems
LK* 48/6 FV M63 P (on request)

Panel mounting

Male



LK* 48/6 MP 54 poles

Female



LK* 48/6 FP 54 poles

LK 32/25 Connectors

Cable mounting

Male



LK* 32/25 MV 25 poles

Female reverse

LK* 32/25R FV 25 poles

Cable mounting with locking ring

Female



LK* 32/25 FV 25 poles

Male reverse

LK* 32/25R MV 25 poles

Cable mounting with rubber locking ring

Female



LK* 32/25 FV P 25 poles

Male reverse

LK* 32/25R MV P 25 poles

Panel mounting

Male



LK* 32/25 MP 25 poles

Male reverse



LK* 32/25R MP 25 poles

Female



LK* 32/25 FP 25 poles

Female reverse



LK* 32/25R FP 25 poles

* Use letter "A" to order crimp version or "I" for solder version connectors

Accessories

Dust caps



LK 32 TPM For LK 32/25 without locking ring
LK 32 TPF For LK 32/25 with locking ring
LK 40 TPM For LK 48/6 without locking ring
LK 40 TPF For LK 48/6 with locking ring

Rubber locking ring



LK 32 RL** For LKA 32/25
LK 40 RL** For LKA 48/6

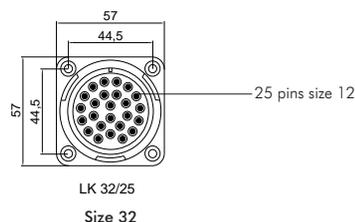
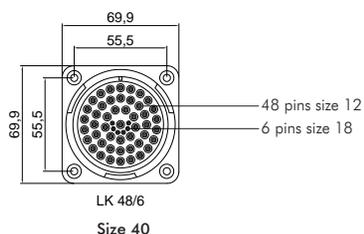
Items subject to Minimum Order Qty

** **B** Blue **R** Red **G** Green **Y** Yellow

Robust strain relief



PG36 standard configuration. M63 for LK 48/6 and PG42 for LK 32/25 on request and subject to minimum order quantity. Mesh cable gland available.



Optical Connectors

The new LKO hybrid optical/power connectors features a 4 channel expanded beam optical connection and 5x8 or 3x10 AWG electrical contacts.

The power contacts are ideal for transporting single or three phase 32A power source in addition to the tactical optical cable (4 single mode 9/125 wires, ref. **eurocable** FOSM 8/5).

Link is pleased to introduce this innovative solution thanks to the valuable input from our clients and by leveraging the flexibility we are afforded by designing and manufacturing our own lines of **eurocable** and LK Connectors.

The most immediate need has been to establish more effective and integrated methods to distribute multiple signals and power within the live broadcast and entertainment venues. Providing solutions that are flexible and robust for demanding environments presents additional challenges. By leveraging the optical, mechanical and electrical expertise of our team, we can provide our clients with configurable solutions for the transport of power, Ethernet, audio, video, DMX and GPI/O. With the addition of the DGLink mux/demux modules, we can provide up to 72 optical channels at 10Gps each.



- Waterproof up to 10 m (33 ft) for 12 hours
- PG cable relief
- Highly resistant black finishing
- Roller studs for easier coupling
- High resistance to shock and vibrations
- Expanded beam fiber optic contacts
- Easy and error-free mating
- Audible snap in quick bayonet lock
- Excellent resistance against unlocking
- Guaranteed for over 2000 coupling operations

STANDARD WIRING



LKO Three phase 32A

Cable mounting

Male



LKO 32T4S MV	4 ch. Single Mode
LKO 32T4M MV	4 ch. Multi Mode
LKO 32T2S MV	2 ch. Single Mode
LKO 32T2M MV	2 ch. Multi Mode

Panel mounting

Male



LKO 32T4S MP	4 ch. Single Mode
LKO 32T4M MP	4 ch. Multi Mode
LKO 32T2S MP	2 ch. Single Mode
LKO 32T2M MP	2 ch. Multi Mode

Female



LKO 32T4S FV	4 ch. Single Mode
LKO 32T4M FV	4 ch. Multi Mode
LKO 32T2S FV	2 ch. Single Mode
LKO 32T2M FV	2 ch. Multi Mode

Female



LKO 32T4S FP	4 ch. Single Mode
LKO 32T4M FP	4 ch. Multi Mode
LKO 32T2S FP	2 ch. Single Mode
LKO 32T2M FP	2 ch. Multi Mode

Cable mounting with rubber locking ring

Female



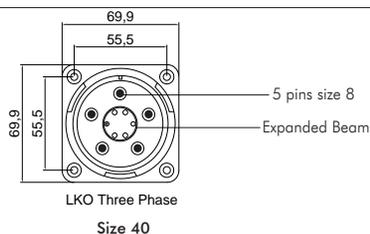
LKO 32T4S FV P	4 ch. Single Mode
LKO 32T4M FV P	4 ch. Multi Mode
LKO 32T2S FV P	2 ch. Single Mode
LKO 32T2M FV P	2 ch. Multi Mode

Accessories

Dust caps



LK 40 TPM	For LKO Three Phase without locking ring
LK 40 TPF	For LKO Three Phase with locking ring
LK 32 TPM	For LKO Single Phase without locking ring
LK 32 TPF	For LKO Single Phase with locking ring



LKO Single phase 16A

Cable mounting

Male



LKO 32S4S MV	4 ch. Single Mode
LKO 32S4M MV	4 ch. Multi Mode
LKO 32S2S MV	2 ch. Single Mode
LKO 32S2M MV	2 ch. Multi Mode

Panel mounting

Male



LKO 32S4S MP	4 ch. Single Mode
LKO 32S4M MP	4 ch. Multi Mode
LKO 32S2S MP	2 ch. Single Mode
LKO 32S2M MP	2 ch. Multi Mode

Female



LKO 32S4S FV	4 ch. Single Mode
LKO 32S4M FV	4 ch. Multi Mode
LKO 32S2S FV	2 ch. Single Mode
LKO 32S2M FV	2 ch. Multi Mode

Female



LKO 32S4S FP	4 ch. Single Mode
LKO 32S4M FP	4 ch. Multi Mode
LKO 32S2S FP	2 ch. Single Mode
LKO 32S2M FP	2 ch. Multi Mode

Cable mounting with rubber locking ring

Female



LKO 32S4S FV P	4 ch. Single Mode
LKO 32S4M FV P	4 ch. Multi Mode
LKO 32S2S FV P	2 ch. Single Mode
LKO 32S2M FV P	2 ch. Multi Mode

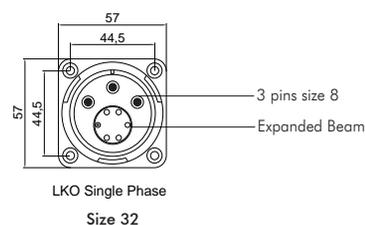
Rubber locking ring



LK 32 RL**	For LKO Single Phase
LK 40 RL**	For LKO Three Phase

Items subject to Minimum Order Qty

**	B	R	G	Y
	Blue	Red	Green	Yellow



Gigabit Connectors

The new LK Gigabit series is equipped with a CAT6 circular contact specifically designed for Gigabit Ethernet connections.

Tests made with the **Fluke Cable IQ Qualification Tester** on LK G connectors with 90 mts **eurocable** extensions and fan in/fan out terminations have qualified the connection as **CAT6 1000BASE-T** following the EIA/TIA 568B.2 and ISO/IEC 11801.

Thanks to the continuous direct line with its costumers and the great flexibility in autonomously manufacturing cables and connectors, custom boxes and panels, which have long distinguished Link as a unique player in the sector, the company's challenge in recent years has been the creation of solutions for the distribution of different types of signals to satisfy those specific needs which new equipment or customer applications require.

With regards to Ethernet connections, six particular connectors and cables have been developed to satisfy the needs of new equipment requiring the connection of an increasing number of different types of channels in one sole connector mating. The standard version features easy-grip long metal locking ring with internal roller coupling studs.

A full range of options to satisfy the most demanding requirements. For any different configuration requirement do not hesitate to contact us for a custom solution.

- High quality CAT6 Gigabit contacts

- Easy and error-free mating

- Audible snap in quick bayonet lock

- Excellent resistance against unlocking

- Guaranteed for over 2000 coupling operations

- Waterproof up to 10 m (33 ft) for 12 hours

- Metric cable relief

- Highly resistant black finishing

- Roller studs for easier coupling

- High resistance to shock and vibrations



LK G 24/2E6 : 2 Gigabit contacts, 6 pins size 16. To obtain improved performance they may be used with many **eurocable** cables.



STANDARD WIRING



LKG Gigabit Connectors

Cable mounting

Male



Code	Cable Relief
LKG 20/1E3 MV	M32
LKG 24/2E6 MV	M32
LKG 24/2E10 MV	M32
LKG 24/2E20 MV	M32
LKG 28/2E36 MV	M40
LKG 32/6E MV	M40

Panel mounting

Male



Code
LKG 20/1E3 MP
LKG 24/2E6 MP
LKG 24/2E10 MP
LKG 24/2E20 MP
LKG 28/2E36 MP
LKG 32/6E MP

Cable mounting with rubber locking ring

Female



LKG * FV P	* Code
LKG * FV ** P	* Code
Items subject to Minimum Order Qty	
** = Code	
** B	R
Blue	Red
G	Y
Green	Yellow

Dust cap



LK 20 TPM/TPF	For size 20
LK 24 TPM/TPF	For size 24
LK 28 TPM/TPF	For size 28
LK 32 TPM/TPF	For size 32

Female



Code	Cable Relief
LKG 20/1E3 FV	M32
LKG 24/2E6 FV	M32
LKG 24/2E10 FV	M32
LKG 24/2E20 FV	M32
LKG 28/2E36 FV	M40
LKG 32/6E FV	M40

Female



Code
LKG 20/1E3 FP
LKG 24/2E6 FP
LKG 24/2E10 FP
LKG 24/2E20 FP
LKG 28/2E36 FP
LKG 32/6E FP

Rubber locking ring



LK 20 RL**	For size 20
LK 24 RL**	For size 24
LK 28 RL**	For size 28
LK 32 RL**	For size 32
Items subject to Minimum Order Qty	
** B	R
Blue	Red
G	Y
Green	Yellow

Tools



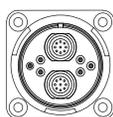
LK EX MUNIV	Handle
LK EX/CAT M	Male extractor
LX EX/CAT F	Female extractor
LK INS/CAT	Insertor
LK SPCATM	Male drive pin
LK SPCATF	Female drive pin

Code	Connector Size	Ethernet Contacts Qty	Size 16	Size 18	Size 12	Cable Relief	Eurocable	Cable O.D.
LKG 20/1E3	20	1			3	M32	CVS LK1CAT6S 16/3	12.10 mm
LKG 24/2E6	24	2	6			M32	CVS LK2CAT6F AD2	18.30 mm
LKG 24/2E10	24	2	1	6	3	M32	CVS LK2CAT6SF 12/3 AD2	21.30 mm
LKG 24/2E20	24	2		20		M32	CVS LK2CAT6F AD6	20.70 mm
LKG 28/2E36	28	2		36		M40	CVS LKSSAD12C2U	23.50 mm
LKG 32/6E	32	6				M40	CVS LK6CAT6F	25.70 mm

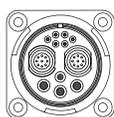
eurocable



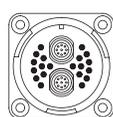
LKG 20/1E3
Size 20



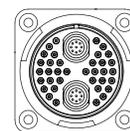
LKG 24/2E6
Size 24



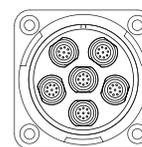
LKG 24/2E10
Size 24



LKG 24/2E20
Size 24



LKG 28/2E36
Size 28



LKG 32/6E
Size 32

Coax Connectors

Three different arrangements to cover the vast range of requirements in the video sector which can support multiple coax signal transmission, AES/EBU and/or analog audio, ethernet, data, SCSI, etc... LK Coax Connectors are available in male/female configurations both cable and panel versions to satisfy all connection requirements.



LKA 40/89: 80 pins size 18 for signal transmission, 6 coaxial pins, 3 pins size 12 for power. To obtain improved performance they may be used with many **eurocable** hybrid cables.

- High quality coax contacts (HDTV grade)
- Easy and error-free mating
- Audible snap in quick bayonet lock
- Excellent resistance against unlocking
- Guaranteed for over 2000 coupling operations
- Waterproof up to 10 m (33 ft) for 12 hours
- Skin top cable clamp
- Highly resistant black finishing
- Roller studs for easier coupling
- High resistance to shock and vibrations



LKA 40/58: 46 pins size 18 for signal transmission, 12 coaxial pins. To obtain improved performance they may be used with many **eurocable** hybrid cables.



LKA 40/18: 18 coaxial pins. To obtain improved performance they may be used with many **eurocable** hybrid cables.

STANDARD WIRING



LKA 40/18

Cable mounting

Male



LKA 40/18 MV with pins
LKA 40/18 MVK plus kellems

Female



LKA 40/18 FV with pins
LKA 40/18 FVK plus kellems

Cable mounting with rubber locking ring

Female



LKA 40/18 FV P with pins
LKA 40/18 FVK P plus kellems

Panel mounting

Male



LKA 40/18 MP 18 poles

Female



LKA 40/18 FP 18 poles

Accessories

Dust cap



For connectors without locking ring
LK 40 TPM Coax connectors

LKA 40/58

Cable mounting

Male



LKA 40/58 MV 58 poles
LKA 40/58 MVK plus kellems

Female



LKA 40/58 FV 58 poles
LKA 40/58 FVK plus kellems

Cable mounting with rubber locking ring

Female



LKA 40/58 FV P 58 poles
LKA 40/58 FVK P plus kellems

Panel mounting

Male



LKA 40/58 MP 58 poles

Female



LKA 40/58 FP 58 poles

LKA 40/89

Cable mounting

Male



LKA 40/89 MV 89 poles
LKA 40/89 MVK plus kellems

Female



LKA 40/89 FV 89 poles
LKA 40/89 FVK plus kellems

Cable mounting with rubber locking ring

Female



LKA 40/89 FV P 89 poles
LKA 40/89 FVK P plus kellems

Panel mounting

Male



LKA 40/89 MP 89 poles

Female



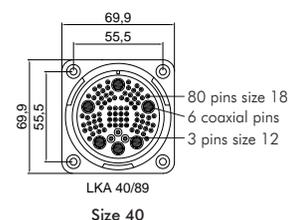
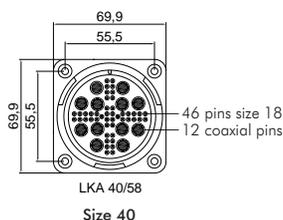
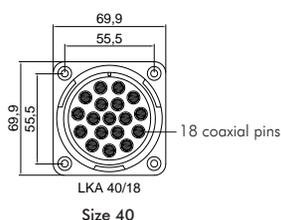
LKA 40/89 FP 89 poles

Rubber locking ring



LK 40 RL** For Coax connectors
Items subject to Minimum Order Qty

** **B** Blue **R** Red **G** Green **Y** Yellow



Hermaphrodite Connector

The LK M176 hermaphrodite connectors are utilized in the market to have only two versions of connectors, cable and panel. The range consists of a cable and panel version fully compatible with the traditional MASS series connectors widely used in the US professional audio market, often referred to as W4 connector. Dustcaps are available for both models.

- 176 pins

- Screws coupling connectors

- Hermaphrodite insert

- Heavy duty machined metal shell

- IP 67 waterproof grade when mated

- Skin top or mesh cable gland

- Highly resistant black finishing



W Style Connectors

The LKW series connectors is based on the proven military, quick-disconnect MIL-26482 series.

Featuring a three point quick mating bayonet coupling system and five insertion key polarisation they ensure a secure connection each time. Available in two contact configurations, 39 and 61 gold plated solder contacts fitted as standard.

- 39 or 61 pins

- Easy and error-free mating

- Audible snap in quick bayonet lock

- Excellent resistance against unlocking

- Guaranteed for over 2000 coupling operations

- Waterproof up to 10 m (33 ft) for 12 hours

- Skin top cable clamp

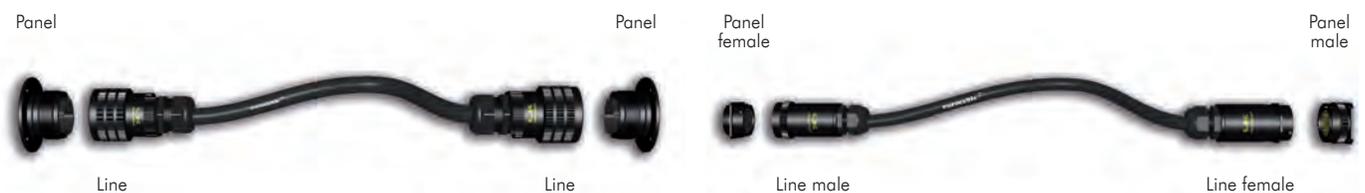
- Highly resistant black finishing

- Roller studs for easier coupling

- High resistance to shock and vibrations



STANDARD WIRING



Hermaphrodite Connector

Panel mounting



LKI M176 PS with pins

Cable mounting



LKI M176 VS with pins

Accessories

Dust cap



LKI M176 TPP For panel connector

Dust cap



LKI M176 TPV For cable connector

W Style Connectors

Cable mounting

Male



LKW 39LM 39P with pins and skin top
LKW 39LM D plus dust cup
LKW 39LM DK plus kellems

Cable mounting

Female



LKW 39LF 39P with pins and skin top
LKW 39LF D plus dust cup
LKW 39LF DK plus kellems

Panel mounting

Male



LKW 39PM 39P with pins
LKW 39PM D plus dust cup

Panel mounting

Female



LKW 39PF 39P with pins
LKW 39PF D plus dust cup

Cable mounting

Male



LKW 61LM 61P with pins and skin top
LKW 61LM D plus dust cup
LKW 61LM DK plus kellems

Cable mounting

Female



LKW 61LF 61P with pins and skin top
LKW 61LF D plus dust cup
LKW 61LF DK plus kellems

Panel mounting

Male



LKW 61PM 61P with pins
LKW 61PM D plus dust cup

Panel mounting

Female



LKW 61PF 61P with pins
LKW 61PF D plus dust cup

Accessories

Dust cap



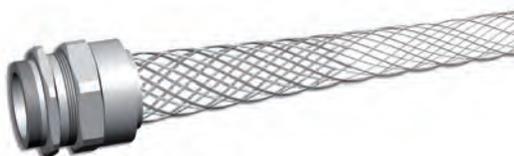
For connectors with locking ring
LKW MDC39 For LKW 39
LKW MDC61 For LKW 61

Dust cap

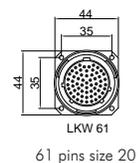
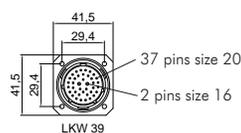
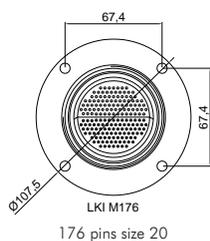


For connectors without locking ring
LKW FDC39 For LKW 39
LKW FDC61 For LKW 61

Mesh cable gland



MCG PG2111 For LKW 39-61 (cable OD from 14.30 mm to 17.40 mm)
MCG PG2114 For LKW 39-61 (cable OD from 19.10 mm to 22.20 mm)



LKH Head To Ballast Connectors

The LKH range is the head-to-ballast interconnection solution. Covering the range from 400 W to 20 kW used by the lighting industry, LKH connectors incorporate features which ensure high quality, extreme durability and safe connections between ballast and lamps. The comprehensive range of available versions, including color code identification, along with its accessories make LKH connectors suitable for all possible applications. The coupling mechanism, the area most affected by wear and tear, features a thick machined construction and utilizes roller studs to allow easy coupling.



- Highly resistant black finishing
- Front and rear panel mounting available
- Roller studs coupling pins
- Machined backshells
- IP 67 waterproof grade when mated
- First In Last Out ground contacts
- Shell grounding
- Silver plated solder or crimp style contacts
- Suitable to fit various cable overall diameter

EXAMPLE	
Photo	Item
A	LKH 26-24-2-PSSW-00PG
B	LKH 01-24-2-SSS0-P21PG
C	LKH 06-24-11-PSS0-P21BG
D	LKH 02-24-11-SSS0-00PG

Accessories

Dust caps



For male and female connectors

Rubber locking ring



Items subject to Minimum Order Qty

- B
Blue
- R
Red
- G
Green
- Y
Yellow

Ground pin



See connectors ordering code table

Special Version

More arrangements available, please contact us for other configurations.

LKH 16S-1	LKH 20-15	LKH 24-2	LKH 24-11	LKH 28-3	LKH 28-6	LKH 28-10	LKH 28-22	LKH 28A-9	LKH 32-68	LKH 40A-10
Size 16	Size 20	Size 24	Size 24	Size 28	Size 28	Size 28	Size 28	Size 28	Size 32	Size 40

LKH Head To Ballast Connectors

LKH Connectors ordering code

Connector Type Line without locking ring 01 Panel without locking ring 02 Line with locking ring 06 Panel with locking ring 26		LK H <input type="checkbox"/> - <input type="checkbox"/>		Special version Assigned by Link	
Arrangement 16S-1 20-15 24-2 24-11 28A-9 28-10 28-22 28-3 28-6 32-68 40A-10		Insert/contact version Female/Female S Male/Male P Female/Male SP Male/Female PS		Backshell No 0 Black aluminium P	
		Pins version No 0 Gold G Silver S		Cable relief No 0 PG 11 11 PG 13 5 13 PG 16 16 PG 21 21 PG 29 29 PG 36 36 PG 11 with spring 11S PG 13 5 with spring 13S PG 16 with spring 16S PG 21 with spring 21S	
		Pins Type No 0 Crimp C Solder S PCB P Screw V		Body ground No 0 Yes G	
				Shell*/locking ring Hard black locking ring H Black aluminium shell for 01 and 02 connector type P Black aluminium shell for 06 and 26 connector type P Black aluminium shell with black rubber locking ring B Black aluminium shell with blue rubber locking ring BI Black aluminium shell with green rubber locking ring G Black aluminium shell with red rubber locking ring R Black aluminium shell with yellow rubber locking ring Y	

* Anodized colored locking ring version also available

Insert rotation	Arrangement										
	16S-1	20-15	24-2	24-11	28-3	28-6	28A-9	28-10	28-22	32-68	40A-10
W	80	80	80	35	70	70	110	80	70	65	65
X	-	-	-	110	145	145	250	110	145	135	125
Y	-	-	-	250	215	215	260	250	215	225	225
Z	280	280	280	325	290	290	280	280	290	275	310

LKH Cotacts ordering code

Size 00 04 08 12 16 18 20		LK P <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Version Female S Male P		Type Crimp C Solder S PCB P Screw V		Special version Extended (ground) E Protected P	
				Connector Type Gold G Silver S				Max wire size for crimp mm ² 01	

Pins size	Type and quantity of contacts by connector										
	Arrangement										
	16S-1	20-15	24-2	24-11	28-3	28-6	28A-9	28-10	28-22	32-68	40A-10
4						3	4	2	3	3	4
8				3	3			2			
12		7	7	6				3			
16	7						5		3	6	4
Total	7	7	7	9	3	3	9	7	6	9	8

P (Watt)	Arrangement by manufacturer								
	Arri	De Sisti	Strand	CMC	Mole	Lee	LTM	Sunray	
575	24-2W	24-2Z ■	24-2Z	24-2Z	24-2Z	16S-1	20-15	24-2Z	
1.200	24-2W	24-2W ■	24-2W	24-2W	24-2W	20-15	20-15	24-2W	
2.500	24-2	24-2 ■	24-2	24-2	24-2	20-15	24-2	24-2	
4.000	24-2	24-11 ■	24-11	24-11	24-2	24-11X	24-11	24-11	
6.000	28-22 (2)	32-68 ■	32-68	32-68	28A-9 (1)	24-11	28A-9 (1)	28A-9 (1)	
12.000	28A-9 (2)	32-68	40A-10	28-10	40A-10	24-11	28A-9 (2)	28-10	
18.000	28A-9 (2)	32-68	40A-10	28-10	40A-10		28A-9 (2)	28-10	

(1) Male pins on connector with locking ring - (2) Female pins on connector with locking ring

Power Link

The Power Link single pole connector series is designed for power distribution systems, offering the ultimate features in safety and reliability under the most severe operating conditions.

Typical applications for Power Link include three-phase motors, generators, load banks and lighting distributions panels. Power Link connectors are also suitable for utility companies and heavy industry environments. Power Link connectors are designed and tested to comply with European and US electrical safety standards and specifications. They are available in 400A and 660A versions.



The Power Link connector series has permanent integral keys which prevent the accidental connection of dissimilar types (e.g. Earth and line 1).

Each connector type has a unique keyed position. Visual identifications are easily made by means of the color insulators.



LARGER O.D. CABLE

Originally designed for PG29 cable relief, now enhanced to use M40 version to expand the range of cables accepted.



The drain protected connector features a patented double protection to prevent accidental touch of the drain contact under load. The drain contact must be unlocked supplying uniform pressure on the entire Teon part (by means of the female connector).

- **Secondary locking:** to prevent accidental disconnection.

- **Dead front contacts:** insulated nylon tip on the live contact prevents accidental handling.

- **High impact insulators:** glass filled nylon insulators prevent damage due to mishandling and guarantee a high degree of insulation, with maximum resistance to oil, fuel, acids and water.

- **Multipoint contact:** 23 spring contact element grants a minimum insertion force and guarantees multiple points of contact, ensuring minimal power loss.

- **Integral location keys:** each connector type is individually keyed to eliminate the possibility of accidental cross mating.

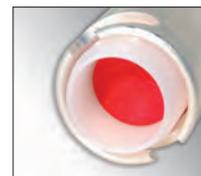
- **Color coded:** insulators are supplied as per standard color identification codes.

- **Waterproof:** IP 67 rated sealing when mated.



ENHANCED GRIP

Improved backshell with integral handgrip, enabling a more comfortable grip while reinforcing the connector shell.



Exclusive locking system, featuring the connection of the protected contact purely on metal parts.

The secondary locking pin can be unlocked through the Pin Key using only one hand.

Power Link



POWER
Link



Technical data		
Max current Rating	400 A	660 A
Minimum Flashover	9.5 kV dc or ac	9.5 kV dc or ac
Maximum Rated Voltage to Earth	2 kV ac/3 kV dc	2 kV ac/3 kV dc
Operating Voltage	600 Vac	600 Vac
Operating Temperature	-30 to 125 C°	-30 to 125 C°
Insulation Resistance	>5 M.Ω/500 Vdc	>5 M.Ω/500 Vdc
AWG/mm²	2-4/0 33.6-107.2	6/0 170.3
Threaded M 12 Torque Maximum	12.0 Nm	12.0 Nm
IP Rating (mated condition)	IP 67	IP 67
Operating Cycles	500 minimum	500 minimum

	GROUND	NEUTRAL	LINE 1	LINE 2	LINE 3
	KEY 1	KEY 2	KEY 3	KEY 4	KEY 5
EUROPE HD 308 S2	GN	BL	BN	BK	GR
U.S.A.	GN	W	BK	R	BL

How to order Connectors

Max Current Rating	
400A	
660A	6

Type	
Line Drain	LD
Line Source	LS
Panel Drain	PD
Panel Source	PS

LK PL LD 1

Male Protected Version	
Standard Version	
Male Protected Version	P

Key	
Phase 1	1
Phase 2	2
Phase 3	3
Ground	E
Neutral	N

BN R

Colors	
Brown	BN
Black	BK
Grey	GR
Green	GN
Blue	BL
Red	R
White	W

Locking Pin (only for Drain type)	
Without secondary locking pin	
With secondary locking pin	L

Cable Grip	
PG29	
M40x1.5 19-28 mm	MN
M40x1.5 10-23 mm	MR
M40x1.5 22-32 mm	ML

Contact Type	
Screw Type	
Crimp contact 35-50 mm²	C1
Crimp contact 70-95 mm²	C2
Crimp contact 120-150 mm²	C3
Crimp contact up to 300 mm²	C6

Accessories

Pin Key



LK PL KEY

Pin Key

Dust caps



LK PL TPD** Drain
LK PL TPS** Source

Only available for EU HD 308 S2 version

** 1BN 2BK 3GR EGN NBL
Brown Black Grey Green Blue

Spare parts



LK PL LOCK

Drive pin

LK PL R* Compression sleeve

*35	(35 mm²)
*50	(50 mm²)
*70	(70 mm²)
*95	(95 mm²)
*120	(120 mm²)

LKS DATA

The new LKS DATA connector introduces the next evolution of LK connectors incorporating integral data transport while maintaining compatibility with all conventional 19 pin power connectors. Link's innovative coaxial pin design, coupled with our proprietary mounting method, permits the connection of conventional 19 pin 6 circuit power cables into the female panel mount and inline versions of the LKS Data connector. When mated the matching LKS DATA male connector, the connector pair not only transports 6 circuits of power but also carries DMX, Ethernet, or digital audio. The LKS DATA connector also leverages a printed circuit board to provide easy termination of both ground and data contacts.



- Screw coupling connector

- Patent pending

- Proprietary pin block and mounting configuration supports 6 circuits of L/N/G contacts + up to 4 data contacts while maintaining compatibility with conventional SOCA cables

- Integral PCB for easy ground/data terminations

- All Conventional LKS options available such as rubber locking rings, different colors, finish types, and IP67 rated

- PG29, PG36, PG42 and M40 versions

- Long backshell and integrated locking ring set screw upon request

- Rubber coated locking rings

LKS DATA

Cable mounting

Male



LKSD M LMX AS M29 AS 1

Female



LKSD M LFX M29 AS 1

Panel mounting

Male



LKSD M PMX AS AS

Female



LKSD M PFX AS

Cable mounting with rubber locking ring

Male



LKSD M LMX RGR M29 AS 1

Accessories

Dust cap



For connectors:

LKS 19 TPM with locking ring
LKS 19 TPF without locking ring

Different versions available for LKS standard connector (page 24, 25) on request



When coupled with the PDLink smart distribution system and our new CAT5SF 12/14 hybrid Eurocable, Link provides a complete solution for transporting power and data to lighting and powered speaker systems.

Extension



PDLKSDMSGE004E*CL

LKS Data Extension Cable

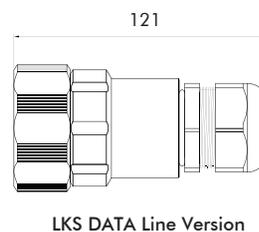
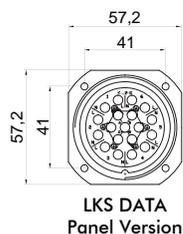
Break In

BRDIDMRSC1BE*FCL Male LKS Data wired with 6x16A sockets + ethercon

Break Out

BRDODMFSC1BE*FCL Female LKS Data wired with 6x16A sockets + ethercon

*Length in meters



LKS 19 Pin

The LKS connectors range has been specifically designed for professional lighting applications. While maintaining full compatibility with Socapex SL 419 series, LKS connectors represent a real breakthrough in terms of reliability and safety. Featuring machined contacts, they accept conductors from 1.5 to 4mm.

The neoprene insert guarantees greater reliability as well as the possibility to insert and eject contacts for crimping and maintenance.

Also available with rubber locking ring and with hardened anodized finish that guarantees greater scratch resistance.

The backshell design allows adequate working room for crimping operations. LKS is provided with IP 67 water-tight cable clamp.

Female retention spring pins, only available from LK Connectors, provide even tighter retention to the conventional tulip pin improving reliability over the life of the connector.



- Screw coupling connector

- Ground first connection

- Tulip or retention spring pin

- Dual ground rings

- Plastic insulating sleeve

- Body ground fulling UL & NEC requirements

- Standard version: IP 67 waterproof

- Gold plated solder or crimp style contacts

- PG29, PG36, PG42, M40 and spider versions

- Long back shell and integrated locking set screw upon request

- Rubber coated locking rings (also in colored versions)

- Interchangeable locking rings



INTERCHANGEABLE LOCKING RINGS

New LKS version enables locking ring replacement on assembled connectors in the field with no special tools required.

LKS 19 PIN SPIDER

The LKS 19 pin spider connector utilized for break-ins and break-outs is the only available connector which maintains the width of the PG29 configurations and guarantees secure fan out terminations with a highly resistant strain relief. IP 64 rated, this version features long back shell and integrated locking set screw as standard features.

UL-CSA
 The highest UL-CSA Rating obtained with a rubber insert: UL Recognized for 25A of continuous current (20A CNR). The exclusive rubber silk-screened insert provides for easy and secure pin insertion while maintaining the highest continuous current ratings. The gold plated contacts with retaining spring pins ensure reliable mating every time.



LOCKING SET SCREW

With a captive Helicoil retention system guarantees connector integrity in the harshest touring applications.



ANTI-SPINNING SYSTEM

A new internal head design incorporating an innovative keying solution ensures that the rubber inserts are secured and will not spin.

LKS 19 Pin

LKS Ordering code

Version		LKS	D	LMS	PA	M29	B	1		Special Version	
Die cast aluminium	D									No special version	
Machined aluminium	M									PCB common ground	CG
Connector Type										Locking ring material	
Cable male solder	LMS									Without ring	
Cable male crimp	LMC									Aluminium black painted	PA
Cable female solder retention tulip	LFSR									Aluminium black rubberized	RA
Cable female solder tulip	LFST									Aluminium colored rubberized	R*
Cable female crimp retention tulip	LFCR									Aluminium black anodized	A
Cable female crimp tulip	LFCT									Aluminium colored anodized	**
Panel male solder	PMS									Backshell version	
Panel male crimp	PMC									Aluminium PG29	M29
Panel female solder retention tulip	PFSR									Aluminium PG36	M36
Panel female solder tulip	PFST									Aluminium PG42	M42
Panel female crimp retention tulip	PFCCR									Aluminium long vers. PG29	L29
Panel female crimp tulip	PFCT									Aluminium long vers. PG36	L36
										Aluminium for six way cable relief	MS
										Aluminium metric thread M40	M40
										Set Screw version: add	X
										Shell & Backshell color	
										Black painted	B
										Black anodized	A
										Colored anodized	A**
										Cable relief	
										Plastic PG29	1
										Plastic PG36	2
										Plastic PG42	3
										Aluminium (silver) w/ stainless mesh PG29	4S
										Aluminium (silver) w/ stainless mesh PG29	5S
										Rubber six way x 1,5 mm cable	S1
										Rubber six way x 2,5 mm cable	S2
										Plastic M40 x 1,5	6
										Plastic M40 x 1,5 R	6R

Items subject to Minimum Order Qty

*	B	R	G	Y	GR
	Blue	Red	Green	Yellow	Grey
**	B	R	G	Y	S
	Blue	Red	Green	Gold	Silver



Tulip Pins

The conventional 4 blade tulip style provides the ample contact surface area for maximum conduction.



Serviceable Plastic Insulating Sleeve

Easily installed or removed once terminations are completed. They provide a reliable insulation between the connector housing and internal conductors.



Durable Backshell

Available in two lengths for ultimate serviceability.



Retention Spring Pins

The enhanced spring pin provides the maximum surface area of a conventional tulip pin with the added benefit of a stainless steel spring clip.

Grounding PCB

Grounding PCB ensures a safe and reliable connection to all pins.



The anodized aluminium version is available in multiple colors (see color table above).

Accessories

Dust caps



For connectors:

LKS 19 TPM w/ locking ring
LKS 19 TPF w/o locking ring

Ground ring



LKS GD A

Enables the equipotential connection of the 7 ground contacts.

Rubber locking ring



LKS 32 RA*

For LKS

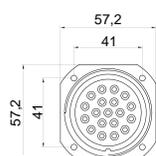
Items subject to Minimum Order Qty

*	B	R	G	Y	GR
	Blue	Red	Green	Yellow	Grey

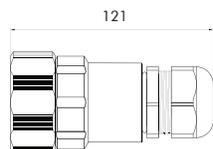
Robust strain relief



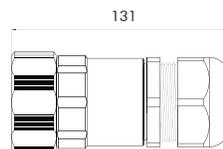
PG29 and PG36 configurations, with two size spider grips for fan in/out. Optional PG42, M40 or mesh cable gland are also available.



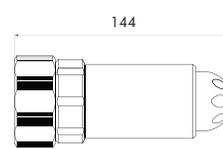
LKS 19
19 pins size 12



LKS with PG29 backshell



LKS with PG36 backshell



LKS 19 Spider

LK Tools

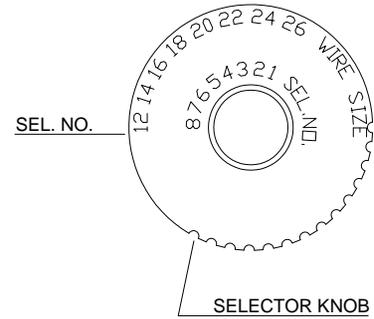
LK CRIMP

The crimp contact option for the LKA, LKS and LKH range of connectors, allows large assembly time savings, and gives a perfect, reliable and durable connection with the use of LK CRIMP or LK CRIMP PN with Turret tools (LK TR).



LK CRIMP
LK CRIMP PN

Crimping tool for LKA-LKS-LKH
Pneumatic crimping tool for LKA-LKS-LKH



Contact Size	AWG 26	AWG 24	AWG 16	AWG 14	AWG 12	Wire Size
20	1	2				Sel. No.
18	1	2				
16	1	2				
12			6	7	8	

POSITIONER

Every pin size has its own positioner (LK PS.), to be mounted on the universal turret LK TR. The mounting position is selected following the female or male contact type.



LK PS LKS Positioner for LKS pins
LK PS 12 Positioner for pins size 12 LKH
LK PS 16 Positioner for pins size 16 LKA 13-85
LK PS 18 Positioner for pins size 18 LK 150
LK PS 20 Positioner for pins size 20 LK 200

TURRET

The turret, fitted on the LK CRIMP, allows the positioner's assembly.



LK TR Turret

DRIVE PIN

Female contacts may be inserted with the aid of the plug LK SP (12, 12 LKS, 16, 18 or 20) as shown in the drawing.



LK SP LKS Drive pin for LKS
LK SP12 Drive pin size 12 for LKH
LK SP16 Drive pin size 16 for LK 13-85 poles
LK SP18 Drive pin size 18 for LK 150 poles
LK SP20 Drive pin size 20 for LK 200 poles
LK SPCATM Male drive pin for Gigabit contacts
LK SPCATF Female drive pin for Gigabit contacts

INSERTER

The insertion of contacts is made by the inserter LK INS (12, 16, 18 or 20 following the contact size). For easier contact insertion use an alcohol lubricant.



LK INS12 Inserter for pin size 12 (LKS-LKH)
LK INS16 Inserter for pin size 16 (LK 13-85 poles)
LK INS18 Inserter for pin size 18-20 (LK 150-200 poles)
LK INS/CAT Inserter for Gigabit contacts



LK Tools

DUMMY

Dummy range is available for the assembly of the LK connector back shells. Dummy tools can be fixed to a panel or gripped in a vice: lock the back shell in place by means of the LK K BK key. Once the LK K has been fixed to the panel or to the vice, place the connector for assembly in the mating position. Next, screw the back shell firmly into place with the LK K BK key. This allows to screw the backshell at best, avoiding unscrewing during operations.



LK K 20	Dummy for size 20 (13 poles)
LK K 20LR	Dummy for size 20 (13 poles with locking ring)
LK K 24	Dummy for size 24 (25 poles)
LK K 24LR	Dummy for size 24 (25 poles with locking ring)
LK K 28	Dummy for size 28 (37 poles)
LK K 28LR	Dummy for size 28 (37 poles with locking ring)
LK K 32	Dummy for size 32 (54 poles)
LK K 32LR	Dummy for size 32 (54 poles with locking ring)
LK K 40	Dummy for size 40 (85/150/200 poles)
LK K 40LR	Dummy for size 40 (85/150/200 poles with locking ring)

EJECTOR HANDLE

To extract the contacts the use of LK EX MNUNIV ejector is required; it contains the metal points suitable for the different sizes (LK EX..), both for female and male contacts.



LK EX MNUNIV Handle

The handle on which the ejector points are screwed on. This unit also contains them internally by opening the rearlid.

EJECTOR

The main contacts used in the LK range can be contained inside the LK EX MNUNIV and must be screwed into the front part of the Handle.



LK EX12F	Female size 12 LKS
LK EX12F R	Female size 12 LKH and Speaker Connectors
LK EX12M	Male size 12 LKS
LK EX12M R	Male size 12 LKH and Speaker Connectors
LK EX16F	Female size 16 for connector LK
LK EX16M	Male size 16 for connector LK
LK EX18F	Female size 18 for connector LK
LK EX18M	Male size 18 for connector LK
LK EX20F	Female size 20 for connector LK
LK EX20M	Male size 20 for connector LK
LK EX/CAT M	Male for Gigabit contacts
LK EX/CAT F	Female for Gigabit contacts

LK K BK KEY



LK K BK-KIT LK tighten tool-strap wrench-set of two

Recommended Tightening Torque

Shell/Backshell		
Shell Size	Coupling Torque Maximum (Nm)	Uncoupling Torque Minimum (Nm)
16S	2.71	0.45
18	3.16	0.56
20	3.61	0.68
22	4.06	0.78
24	4.96	0.78
28	5.88	0.90
32	7.35	1.01
40	8.34	1.47

PG & METRIC THREAD	Torque Backshell/ Clamp (Nm)	Torque for cap nut (Nm)
PG 11	3.75	2.50
PG 13.5	3.75	2.50
PG 16	5.00	3.30
PG 21	7.50	5.00
PG 29	7.50	5.00
PG 36	7.50	5.00
PG 42	7.50	5.00
M40 X 1.5	13.00	13.00



Cable Relief

SKIN TOP • Cable Clamp

The use of SKIN TOP cable clamps, which are important accessories in the industrial field, allows perfect connection of any cable to all types of equipment, ensuring perfect functioning. They are mostly used in the audio-lighting environment, as cable clamps for multipin connectors and cable entries in various types of boxes, e.g. stageboxes.

SKIN TOP cable clamps allow easy and quick installation. The new trapezoid shaped multiple thread allows rapid tightening. The IP 68 watertight cable clamp is mounted on the tightening nut, ensuring a firm grip with no traction and no loosening risk.



SKIN TOP WITH SPRING

Cable clamp with anti-bend spiral, range from PG 11 to PG 21. It provides additional safety to the cable preventing it to be curved over its bend radius. Black (RAL 9005). Water-tightness degree IP 68.

METAL SKIN TOP

Available on request, nickel-plated brass cable clamp for heavy-duty applications. With all the advantages of the Skin Top range. Water-tightness degree IP 68. Range from PG 11 to PG 36.



Cable O.D.	
From 5 to 10 mm	PG11
From 6 to 12 mm	PG13,5
From 10 to 14 mm	PG16
From 13 to 18 mm	PG21
From 18 to 25 mm	PG29

SK TOP PM13	PG11 for cables 5-10 mm
SK TOP PM19	PG13,5 for cables 6-12 mm
SK TOP PM35	PG16 for cables 10-14 mm
SK TOP PM54	PG21 for cables 13-18 mm

SK TOP MN13	PG11 for cables 5-10 mm
SK TOP MN19	PG13,5 for cables 6-12 mm
SK TOP MN35	PG16 for cables 10-14 mm
SK TOP MN54	PG21 for cables 13-18 mm
SK TOP MN85	PG29 for cables 18-25 mm
SK TOP MN150	PG36 for cables 22-32 mm

SKIN TOP

SK TOP PN13	PG11 for cables 5-10 mm
SK TOP PN19	PG13,5 for cables 6-12 mm
SK TOP PN35	PG16 for cables 10-14 mm
SK TOP PN54	PG21 for cables 13-18 mm
SK TOP PN85	PG29 for cables 18-25 mm
SK TOP PN150	PG36 for cables 22-32 mm

METAL NUT

SK TOP MD13	For SK TOP MN 13
SK TOP MD19	For SK TOP MN 19
SK TOP MD35	For SK TOP MN 35
SK TOP MD54	For SK TOP MN 54
SK TOP MD85	For SK TOP MN 85
SK TOP MD150	For SK TOP MN 150

PLASTIC NUT

SK TOP PD13	For SKINTOP PG11
SK TOP PD19	For SKINTOP PG13.5
SK TOP PD35	For SKINTOP PG16
SK TOP PD54	For SKINTOP PG21
SK TOP PD85	For SKINTOP PG29
SK TOP PD150	For SKINTOP PG36

When Skin tops are used for panel mount, a nut (plastic or metal) will be required

Mesh cable gland & grip

The MCG grips series features a patented swivel design that provides superior cable pull-out protection. This unique design virtually eliminates premature mesh fatigue thereby maximizing both cable and connection life so that downtime and costs are greatly reduced. This is the only swivel grip for extreme flexing applications that is specified by industry experts to meet their flexing requirements.

MESH CABLE GLAND

MCG PG1108	Mesh cable gland PG11 - Cable OD from 11.10 mm to 12.70 mm
MCG PG1609	Mesh cable gland PG16 - Cable OD from 11.10 mm to 14.30 mm
MCG PG1611	Mesh cable gland PG16 - Cable OD from 14.30 mm to 17.40 mm
MCG PG2111	Mesh cable gland PG21 - Cable OD from 14.30 mm to 17.40 mm
MCG PG2114	Mesh cable gland PG21 - Cable OD from 19.10 mm to 22.20 mm
MCG PG2914	Mesh cable gland PG29 - Cable OD from 19.10 mm to 22.20 mm
MCG PG2916	Mesh cable gland PG29 - Cable OD from 22.20 mm to 25.40 mm
MCG PG2918	Mesh cable gland PG29 - Cable OD from 25.40 mm to 28.60 mm
MCG PG2920	Mesh cable gland PG29 - Cable OD from 28.60 mm to 31.80 mm
MCG PG3618	Mesh cable gland PG36 - Cable OD from 25.40 mm to 28.60 mm
MCG PG3620	Mesh cable gland PG36 - Cable OD from 28.60 mm to 31.80 mm

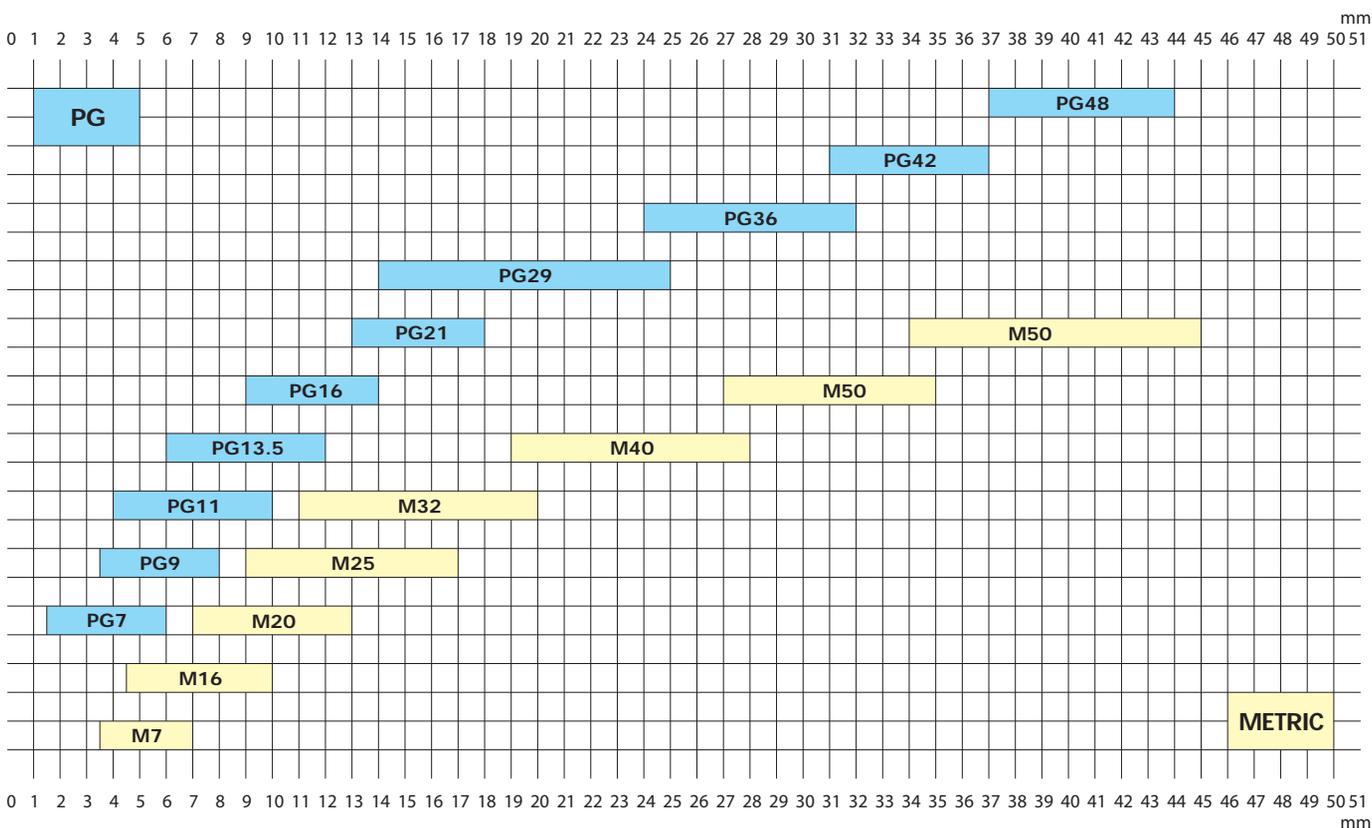


MESH CABLE GRIP

MCG SE013	Mesh cable grip - Cable OD from 12.70 mm to 13.20 mm
MCG SE014	Mesh cable grip - Cable OD from 16.00 mm to 18.80 mm
MCG SE015	Mesh cable grip - Cable OD from 19.10 mm to 22.90 mm
MCG SE016	Mesh cable grip - Cable OD from 25.40 mm to 31.50 mm
MCG SE017	Mesh cable grip - Cable OD from 31.80 mm to 37.80 mm

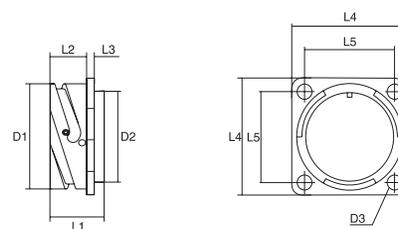
Dimensional Data

Cable Dimension to be used with PG or Metric Glands

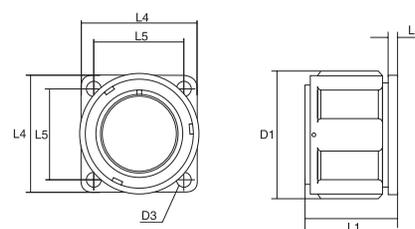


Dimensional Data

Size	No. Pins	L1 mm	L2 mm	L2 mm 03 Rear mount.	L3 mm	L4 mm	L5 mm	D1 mm	D2 mm	D3 mm
20	13	34.2	19.0	23	4	38.0	29.4	34.2	28.5	3.2
24	25	36.0	20.6	23	4	44.5	34.9	40.9	35.3	3.7
28	37	36.2	20.6	24	4	50.8	39.7	46.7	41.4	3.7
32	54	37.6	22.2	24	4	57.0	44.5	53.4	47.8	4.3
40	85 150/200	37.6	22.2	24	4	69.9	55.5	65.5	59.0	4.3



Size	No. Poles LKA	L1 mm	L3 mm	L4 mm	L5 mm	D1 mm	D3 mm
20	13	34.2	19.0	4	38.0	34.2	3.2
24	25	36.0	20.6	4	44.5	40.9	3.7
28	37	36.2	20.6	4	50.8	46.7	3.7
32	54	37.6	22.2	4	57.0	53.4	4.3
40	85 150/200	37.6	22.2	4	69.9	65.5	4.3



Pins

Contact Size	Max Current (Short time)	Rated and Test Current	Potential Drop Maximum	Used on connectors:
20	7.5 A	7.5 A	83 mV	LK 200; LKW M176, 39, 61
18	10 A	7.5 A	83 mV	LK 150, 40/89
16	22 A	13 A	74 mV	LK 09, 13, 19, 25, 37, 54, 85; LKW 39; LKH 16S-1, 28A-9, 28-22, 32-68, 40A-10
12	41 A	23 A	63 mV	LK 08, 09, 48/6, 32/25, 40/58, 40/89; LKH 20-15, 24-2, 24-11, 28-10
8	73 A	46 A	65 mV	LKH 24-11, 28-3, 28-10
4	135 A	80 A	58 mV	LKH 28-6, 28A-9, 28-10, 28-22, 32-68, 40A10
0	245 A	150 A	53 mV	

Standard Wiring

4 ch - LK 13			
Ch	+	-	G
1	B	C	E
2	F	K	H
3	J	D	A
4	N	M	G
General ground			L

6 ch - LK 19			
Ch	+	-	G
1	B	C	A
2	E	F	D
3	H	J	G
4	L	M	K
5	P	R	N
6	T	U	S
General ground			V

8 ch - LK 25			
Ch	+	-	G
1	A	E	F
2	G	C	B
3	D	H	J
4	M	L	K
5	Q	P	N
6	W	S	R
7	T	X	Y
8	Z	V	U
General ground			A

12 ch - LK 37			
Ch	+	-	G
1	E	F	A
2	B	C	G
3	H	J	D
4	S	T	K
5	L	M	U
6	V	W	N
7	P	R	X
8	a	b	g
9	c	d	i
10	e	f	m
11	n	p	h
12	r	s	k
General ground			Z

16 ch - LK 54			
Ch	+	-	G
1	W	f	r
2	J	R	a
3	k	v	AC
4	E	M	V
5	e	q	y
6	B	H	P
7	Z	i	u
8	D	L	U
9	d	p	x
10	A	G	O
11	Y	h	t
12	C	K	T
13	c	n	w
14	F	N	X
15	g	s	AB
16	S	b	m
General ground			AG

28 ch - LK 85			
Ch	+	-	G
1	A	B	C
2	E	F	H
3	J	K	L
4	N	P	R
5	S	T	U
6	X	Y	Z
7	a	b	c
8	d	f	g
9	h	i	j
10	k	m	n
11	p	q	r
12	t	u	v
13	w	x	y
14	z	AA	AB
15	AC	AD	AE
16	AF	AH	AJ
17	AK	AL	AM
18	AP	AR	AS
19	AT	AU	AV
20	AW	AX	AY
21	AZ	BA	BB
22	BC	BD	BE
23	BJ	BK	BL
24	BM	BN	BP
25	BS	BT	BU
26	BV	BR	BF
27	BH	AN	S
28	W	M	D
General ground			V

32 ch - LK 100			
Ch	+	-	G
1	1	2	3
2	4	5	6
3	7	8	9
4	10	11	12
5	13	14	15
6	16	17	18
7	19	20	21
8	22	23	24
9	25	26	27
10	28	29	30
11	31	32	33
12	34	35	36
13	37	38	39
14	40	41	42
15	43	44	45
16	46	47	48
17	49	50	51
18	52	53	54
19	55	56	57
20	58	59	60
21	61	62	63
22	64	65	66
23	67	68	69
24	70	71	72
25	73	74	75
26	76	77	78
27	79	80	81
28	82	83	84
29	85	86	87
30	88	89	90
31	91	92	93
32	94	95	96
33	97	98	99
General ground			100

48 ch - LK 150			
Ch	+	-	G
1	1	2	3
2	5	6	7
3	8	9	10
4	11	12	13
5	14	15	16
6	17	18	19
7	21	22	23
8	24	25	26
9	27	28	29
10	20	30	31
11	32	33	34
12	35	36	37
13	38	39	40
14	41	42	43
15	44	45	46
16	47	48	49
17	50	51	52
18	53	54	55
19	57	58	59
20	60	61	62
21	63	64	65
22	66	67	68
23	69	70	71
24	72	73	74
25	75	76	77
26	78	79	80
27	82	83	84
28	85	86	87
29	88	89	90
30	91	92	93
31	94	95	96
32	97	98	99
33	100	101	102
34	103	104	105
35	56	81	106
36	107	108	109
37	110	111	112
38	113	114	115
39	116	117	118
40	119	120	121
41	122	123	124
42	125	126	127
43	139	128	129
44	130	131	123
45	133	134	135
46	136	137	138
47	140	141	142
48	143	144	145
General ground			150

66 ch - LK 200			
Ch	+	-	G
1	A1	A2	A3
2	A4	A5	A6
3	B8	C10	C11
4	B7	B6	B5
5	B4	B3	B2
6	B1	C2	C1
7	C3	C4	C5
8	C7	C8	C9
9	D12	D11	D10
10	D9	D8	D7
11	D6	D5	D4
12	D3	D2	D1
13	F1	E1	E2
14	E3	E4	E5
15	E6	E7	E8
16	E9	E10	E11
17	E12	E13	F14
18	F13	F12	F11
19	F10	F9	F8
20	F7	F6	F5
21	F4	F3	F2
22	G1	G2	G3
23	G4	G5	G6
24	G7	G8	G9
25	G10	G11	G12
26	G13	G14	G15
27	H14	H13	H12
28	H11	H10	H9
29	H6	H5	H4
30	H3	H2	H1
31	L1	L2	L3
32	L4	L5	L6
33	H7	L7	M7
34	H8	L8	M8
35	L9	L10	L11
36	L12	L13	L14
37	M14	M13	M12
38	M11	M10	M9
39	M6	M5	M4
40	M3	M2	M11
41	N1	N2	N3
42	N4	N5	N6
43	N7	N8	N9
44	N10	N11	N12
45	N13	N14	N15
46	P13	P12	N11
47	P10	P9	N8
48	P7	P6	N5
49	P4	P3	N2
50	P1	R1	R2
51	R3	R4	R5
52	R6	R7	R8
53	R9	R10	R11
54	R12	R13	P14
55	S12	S11	S10
56	S9	S8	S7
57	S6	S5	S4
58	S3	S2	S1
59	T1	T2	U1
60	T3	T4	T5
61	T7	T8	T9
62	T11	T10	U8
63	U7	U6	U5
64	U4	U3	U2
65	V1	V2	V3
66	V4	V5	V6
General ground			T6

Standard Wiring

Speaker - LK 08		
Ch	Black (-)	Red (+)
1	F	E
2	H	G
3	D	C
4	B	A

Speaker - LK 32/25		
Ch	Black (-)	Red (+)
1	A	B
2	C	D
3	E	F
4	G	H
5	I	J
6	K	L
7	M	N
8	O	P
9	Q	R
10	T	U
11	V	W
12	X	Y

Speaker - LK 48/6			
Ch	Red (+)	Black (-)	Ground
1	1	2	
2	3	4	
3	5	6	
4	7	8	
5	9	10	
6	11	12	
7	13	14	
8	15	16	
9	17	18	
10	19	20	
11	21	22	
12	23	24	
13	25	26	
14	27	28	
15	29	30	
16	31	32	
17	33	34	
18	35	36	
19	37	38	
20	39	40	
21	41	42	
22	43	44	
23	45	46	
24	47	48	
Audio 1	A	B	C
Audio 2	D	E	F

LKG 20/1E3								
Power	Brown	Yellow Green	Blue					
	L1	G	N					
Cat6	White Orange	Orange	White Green	Blue	White Blue	Green	White Brown	Brown
E1	1	2	3	4	5	6	7	8

LKG 24/2E6								
Audio ch	+	-	G					
1	1	2	3					
2	4	5	6					
Cat6	White Orange	Orange	White Green	Blue	White Blue	Green	White Brown	Brown
E1	1	2	3	4	5	6	7	8
E2	1	2	3	4	5	6	7	8

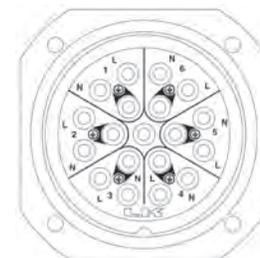
LKG 24/2E10								
Audio ch	+	-	G					
1	1	2	3					
2	4	5	6					
Power	Brown	Yellow Green	Blue	Shield				
	L	G	N	7				
Cat6	White Orange	Orange	White Green	Blue	White Blue	Green	White Brown	Brown
E1	1	2	3	4	5	6	7	8
E2	1	2	3	4	5	6	7	8

LKG 24/2E20								
Audio ch	+	-	G					
1	1	2	3					
2	4	5	6					
3	13	14	15					
4	7	8	9					
5	10	11	12					
6	16	17	18					
Cat6	White Orange	Orange	White Green	Blue	White Blue	Green	White Brown	Brown
E1	1	2	3	4	5	6	7	8
E2	1	2	3	4	5	6	7	8

LKG 24/2E20								
Audio ch	+	-	G					
1	1	2	3					
2	4	5	6					
3	7	8	9					
4	19	20	21					
5	22	23	31					
6	29	30	32					
7	10	11	12					
8	13	14	15					
9	16	17	18					
10	24	25	26					
11	27	28	36					
12	33	34	35					
Cat6	White Orange	Orange	White Green	Blue	White Blue	Green	White Brown	Brown
E1	1	2	3	4	5	6	7	8
E2	1	2	3	4	5	6	7	8

LKG 32/6E								
Cat6	White Orange	Orange	White Green	Blue	White Blue	Green	White Brown	Brown
E1	1	2	3	4	5	6	7	8
E2	1	2	3	4	5	6	7	8
E3	1	2	3	4	5	6	7	8
E4	1	2	3	4	5	6	7	8
E5	1	2	3	4	5	6	7	8
E6	1	2	3	4	5	6	7	8

LKS - 6 Lamps			
Ch	Fase	Neutral	Ground
1	1	2	13
2	3	4	14
3	5	6	15
4	7	8	16
5	9	10	17
6	11	12	18
General ground			19



Standard Wiring

12 ch - LKW39			
Ch	+	-	G
1	p	n	q
2	A	W	X
3	N	f	P
4	L	e	M
5	J	d	K
6	G	c	H
7	E	b	F
8	D	a	Z
9	C	B	Y
10	U	i	V
11	i	h	T
12	R	g	S
General ground			LL

20 ch - LKW61			
Ch	+	-	G
1	JJ	HH	NN
2	MM	KK	PP
3	BB	AA	CC
4	s	FF	W
5	r	EE	V
6	e	D	x
7	f	E	y
8	q	DD	U
9	S	p	T
10	P	N	R
11	m	k	n
12	L	K	M
13	J	i	j
14	H	G	h
15	g	F	z
16	d	C	W
17	B	A	c
18	b	a	Z
19	v	u	Y
20	t	GG	X
General ground			LL

58 ch - LKI M176 (Input)				
Ch		+	-	G
1	S	87	88	86
2	P	87	88	86
3	S	84	85	83
4	P	84	85	83
5	S	81	82	80
6	P	81	82	80
7	S	78	79	77
8	P	78	79	77
9	S	75	76	74
10	P	75	76	74
11	S	72	73	71
12	P	72	73	71
13	S	69	70	68
14	P	69	70	68
15	S	66	67	65
16	P	66	67	65
17	S	62	63	61
18	P	62	63	61
19	S	59	60	58
20	P	59	60	58
21	S	56	57	55
22	P	56	57	55
23	S	53	54	52
24	P	53	54	52
25	S	50	51	49
26	P	50	51	49
27	S	47	48	46
28	P	47	48	46
29	S	44	45	43
30	P	44	45	43
31	S	41	42	40
32	P	41	42	40
33	S	38	39	37
34	P	38	39	37
35	S	33	34	32
36	P	33	34	32
37	S	30	31	29
38	P	30	31	29
39	S	27	28	26
40	P	27	28	26
41	S	24	25	23
42	P	24	25	23
43	S	19	20	18
44	P	19	20	18
45	S	16	17	15
46	P	16	17	15
47	S	13	14	12
48	P	13	14	12
49	S	9	10	8
50	P	9	10	8
51	S	6	7	5
52	P	6	7	5
53	S	21	22	11
54	P	21	22	11
55	S	2	3	1
56	P	2	3	1
57	S	35	36	64
58	P	35	36	64
General ground		4		

58 ch - LKI M176 (Output)				
Ch		+	-	G
1	P	87	88	86
2	S	87	88	86
3	P	84	85	83
4	S	84	85	83
5	P	81	82	80
6	S	81	82	80
7	P	78	79	77
8	S	78	79	77
9	P	75	76	74
10	S	75	76	74
11	P	72	73	71
12	S	72	73	71
13	P	69	70	68
14	S	69	70	68
15	P	66	67	65
16	S	66	67	65
17	P	62	63	61
18	S	62	63	61
19	P	59	60	58
20	S	59	60	58
21	P	56	57	55
22	S	56	57	55
23	P	53	54	52
24	S	53	54	52
25	P	50	51	49
26	S	50	51	49
27	P	47	48	46
28	S	47	48	46
29	P	44	45	43
30	S	44	45	43
31	P	41	42	40
32	S	41	42	40
33	P	38	39	37
34	S	38	39	37
35	P	33	34	32
36	S	33	34	32
37	P	30	31	29
38	S	30	31	29
39	P	27	28	26
40	S	27	28	26
41	P	24	25	23
42	S	24	25	23
43	P	19	20	18
44	S	19	20	18
45	P	16	17	15
46	S	16	17	15
47	P	13	14	12
48	S	13	14	12
49	P	9	10	8
50	S	9	10	8
51	P	6	7	5
52	S	6	7	5
53	P	21	22	11
54	S	21	22	11
55	P	2	3	1
56	S	2	3	1
57	P	35	36	64
58	S	35	36	64
General ground		4		

Metric²/AWG Wire Size Equivalentents

In Europe, wire and cables are expressed in mm² (cross sectional area), while in USA the AWG (American Wire Gauge) is the standard system used for both solid and strand conductors. See the cross reference scheme below.

AWG	32	30	28	26	24	22	21	20	18	17	16	14	13	12	10	11	8	6	4	2	1	2/0	2/0	4/0
mm ²	0.032	0.051	0.081	0.13	0.20	0.33	0.41	0.52	0.82	1.04	1.31	2.08	2.62	3.31	5.26	4.17	8.37	13.3	21.2	33.6	42.4	67.4	85	107

Cross references refer to solid copper wire. For stranded conductors a range of values must be considered. i.e. AWG 24 stranded conductors are comprised between a range of 0.20 mm² and 0.24 mm².

Conductor Resistance

mm ²	0.03	0.05	0.08	0.14	0.22	0.34	0.38	0.50	0.75	1.50	2.50	4.00
Ohm/km	578	350	232	146	76.40	55	44	34.50	23	14.70	8.80	4.50

Capacity Reference Table for **eurocable** Reels

Cable O.D. (mm)	4	6	8	10	12	15	18	20	22	24	26	28	30	32
AV AX100	250	111	63	40	28									
AV SP380	731	325	183	117	81	52	36	29						
AV SP450			227	145	101	64	45	36	30	25				
AV SK460				180	125	80	56	45	37	31	27			
AV HD260				246	171	109	76	62	51	43	36	31	27	24
AV HD350					231	148	102	83	69	58	49	42	37	32
AV HD500						211	146	119	98	82	70	60	53	46
AV HD600											140	120	105	92
AV HD600 R											100	90	75	65
AV GT310	398	166	84	64	39	22								
AV GT380	740	319	170	114	82	43	29	24						

Capacity table for cable reels, based on O.D. of the cable used. Measure the O.D. (mm) of your cable to choose the appropriate cable reel. The above values are expressed in meters.

LK
connectors