LK connectors

*People and Products
Connecting the World
of Entertainment*

LK Audio Multipin

Based on the MIL-DTL-5015 and VG 95234 standards, LK Audio connectors adhere to the basic principles of strength and reliability of specified military components. The restyling and construction of the LK Audio range has been specifically designed to meet the needs of the entertainment industry. LK Audio configurations and their wiring standards, support secure connection for all Live and PA Rental business applications.

- 13 to 200 crimp gold pins (4 to 66 channels) in male/female panel and cable versions
- Based on military standard MIL-C-5015 and VG 95234 for superior strength and reliability
- Easy and error-free mating for fast connections
- Excellent resistance against accidental unlocking caused by shocks and vibrations
- Audible snap in quick bayonet lock
- Cable version with easy-grip long metal locking ring
- Roller studs for easier coupling
- Body made of high quality aluminium with resistant black finishing
- Guaranteed for over 2000 coupling operations
- IP68 rated when mated
- Cable strain relief with locknut (or with anti-bending spring from 13 to 54 pins version)

Options
- Black and colored (blue, red, green, yellow) rubber locking rings
- Silver pins (for 13 to 85 pin versions)
- Solder pins for the entire range available
- Male and female connector dust caps
- Reverse configurations available on request
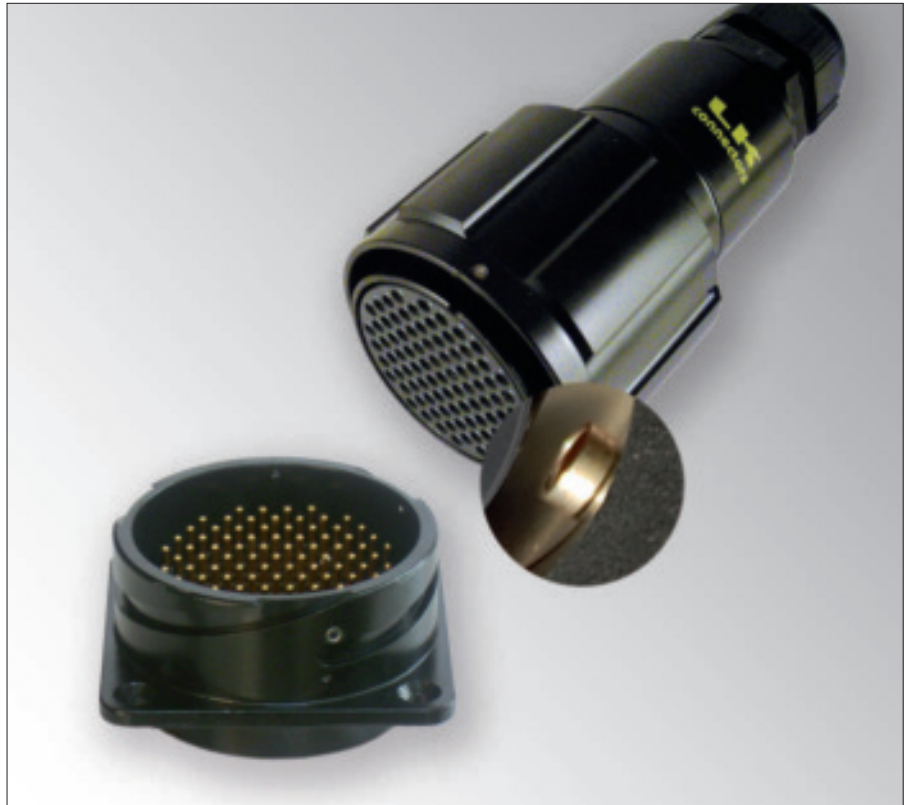
The **LK Audio Multipin** range features from 13 to 200 pins (4 to 66 channels)
Studs are rollover version ensuring easier coupling and a longer number of operations due to a lower wear and tear of coupling ramps.

Rubber locking rings are available for cable connectors in all configurations.

Reverse Series
Locking ring on male connectors available on request in all configurations.

STANDARD WIRING

Panel male | Cable female | Cable male | Cable female | Cable male | Panel female

LK Audio Series Connector (from 13 to 150 poles, pins are to be ordered separately. 200 poles pins included)

Cable mounting

Male

Code	Cable relief
LK 13 MV	PG11
LK 19 MV	PG16
LK 25 MV	PG16
LK 37 MV	PG21
LK 54 MV	PG21
LK 85 MV	PG29
LK 150 MV	PG36
LKI 200 MV (solder pins)	PG36
LKA 200 MV (crimp pins)	PG36

Female

Code	Cable relief
LK 13 FV	PG11
LK 19 FV	PG16
LK 25 FV	PG16
LK 37 FV	PG21
LK 54 FV	PG21
LK 85 FV	PG29
LK 150 FV	PG36
LKI 200 FV (solder pins)	PG36
LKA 200 FV (crimp pins)	PG36

Panel mounting

Male

Code	
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
LKI 200 MP (solder pins)	200 poles
LKA 200 MP (crimp pins)	200 poles

Female

Code	
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
LKI 200 FP (solder pins)	200 poles
LKA 200 FP (crimp pins)	200 poles

Cable mounting with rubber locking ring

Female

Code	
LKP * FV	* poles
**LKP * FV **	* poles, ** color

LKA Connectors for PCB

Code	
LKI 13 MP PCB	13 poles
LKI 25 MP PCB	25 poles
LKI 37 MP PCB	37 poles
LKI 54 MP PCB	54 poles
LKI 85 MP PCB	85 poles
LKI 150 MP PCB	150 poles

Pins

Male

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

Solder version available

Female

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

Solder version available

Accessories

Dust cap

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

For connectors without locking ring

Dust cap

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

For connectors with locking ring

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

** | BI Blue | R Red | G Green | Y Yellow |

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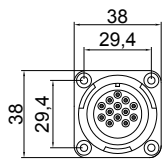
4 ch
38 / 29,4 / 38 / 29,4
Size 20 - 13 pins size 16
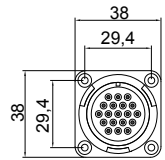
6 ch
38 / 29,4 / 38 / 29,4
Size 20 - 19 pins size 16
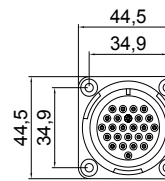
8 ch
44,5 / 34,9 / 44,5 / 34,9
Size 24 - 25 pins size 16
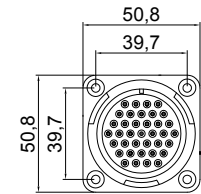
12 ch
50,8 / 39,7 / 50,8 / 39,7
Size 28 - 37 pins size 16
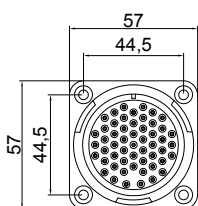
16 ch
57 / 44,5 / 57 / 44,5
Size 32 - 54 pins size 16
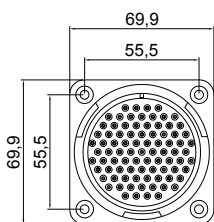
28 ch
69,9 / 55,5 / 69,9 / 55,5
Size 40 - 85 pins size 16
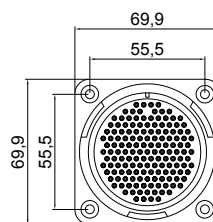
48 ch
69,9 / 55,5 / 69,9 / 55,5
Size 40 - 150 pins size 18
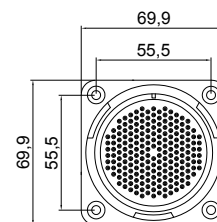
66 ch
69,9 / 55,5 / 69,9 / 55,5
Size 40 - 200 pins size 20

Speaker Connectors

The LK 08, LK 09, and LKA 16 series of connectors are ideal for portable speaker applications. Based on the LK Series MIL-SPEC designs, these connectors are extremely robust, IP rated, and available with impact resistant rubber locking rings. The LK 08 series is fully compatible with popular CA-COM configurations.

LK 08 and LK 09 Features

- 8 or 9 (4 on request) crimp or solder gold pins in male/female panel and cable versions
- Intermatable with CA-COM style connectors
- Audible snap in quick bayonet lock
- Cable version with easy-grip long metal locking ring
- Roller studs for easier coupling
- M32x1.5 cable strain relief with locknut as standard

LK 16 Features

- Also available in a 19 pins version as utilized by D&B
- 16 crimp or solder gold pins in male/female panel and cable versions
- Intermatable with Socapex style connectors
- Silk screen identification
- PG29 cable strain relief as standard

Common Features

- Easy and error-free mating for fast connections
- Excellent resistance against accidental unlocking caused by shocks and vibrations
- Body made of high quality aluminium with resistant black finishing
- Guaranteed for over 2000 coupling operations
- IP68 rated when mated

Options

- Black and colored (blue, red, green, yellow) rubber locking rings
- Male and female connector dust caps

LKI Speaker connectors are fully intermateable with CA-COM style connectors and are becoming increasingly popular with leading loudspeaker manufacturers due to their robust construction ideal for touring applications.

LKA 16 (crimp pins) and **LKI 16** (solder pins) connectors are based on standard LKS Socapex style connectors but have been adapted to use only 16 pins, following indications from the largest rental companies. The standard Socapex style LKS 19 pin connector is also available, as utilized by D&B. Rubber locking ring available on both bayonet style and screw coupling connectors.

The **LKI 08 adapter** features a male and female LKI 08 connector mounted back to back without locking rings. It enables the connection of two 8 pin extension cables, thus obtaining the desired length needed.

LK 08 Connectors

LK 09 Connectors

Cable mounting
with rubber locking ring

Panel mounting
Female reverse

Cable mounting
Male

Panel mounting
Male

Male reverse

LK* 08R MV 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

LK* 08R FP	8 poles gold pins

LK* 09 MV	9 poles gold pins

Female

LK* 09 MP	9 poles gold pins

Female

Cable mounting
with locking ring

Adapter

Male reverse

LK* 08R MV	8 poles gold pins

Female

LK* 08 FV	8 poles gold pins

LKA 08 EXT	08 Adapter

LK* 09 FV	9 poles gold pins

LK* 09 FP	9 poles gold pins

Cable mounting
with rubber locking ring
Female

Configurations on request only:

Cable mounting male

Cable mounting female reverse

Panel mounting male

LK* 09 FV P	9 poles gold pins

* Use letter "A" to order crimp version or "I" for solder version connectors   ** Rubber locking ring color

Accessories
Dust cap

Rubber locking ring

LK 22 TPMN LK 08 without locking ring	
LK 22 TPFN LK 08 with locking ring	

LK 20 TPMN LK 09 without locking ring	
LK 20 TPFN LK 09 with locking ring	

LK 20 RL **	For LK 09
LK 22 RL **	For LK 08

Items subject to Minimum Order Qty

**	B	R	G	Y
	Blue	Red	Green	Yellow

41
31,8
41
31,8
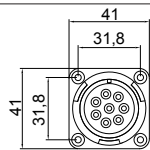
LKI 08
Size 22 - 8 pins size 12

38
29,4
38
29,4

6 pins size 16
3 pins size 12
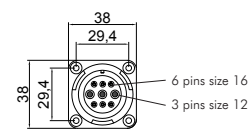
LKI 09
Size 20

Multisignal Speaker

The LKA 32/25 and LKA 48/6 connectors are designed specifically to support high-density line array configurations where multiple speaker channels are required. Based on the LK Series MIL-SPEC designs, these connectors are extremely robust, IP rated, and available with impact resistant rubber locking rings. The integral digital pairs in the LKA 48/6 transport common laser & inclinometer signals.

Jacket · Digital audio pair · Filler · Conductor

LK 48/6 Features

- 48 pins size 12 plus 6 pins size 18 in male/female panel and cable versions
- Up to 24 speaker channels plus two AES/EBU channels for laser pointing and inclinometer control
- PG36 cable strain relief as standard (use of mesh cable relief suggested)

LK 32/25 Features

- 25 pins (12 indipendent speaker channels)
- Wide range of snake and break-in/out cables
- PG36 cable strain relief as standard

Common Features

- Based on military specifications MIL-C-5015 and VG 95234 for high strength and reliability
- Easy and error-free mating for fast connections
- Excellent resistance against accidental unlocking caused by shocks and vibrations
- Guaranteed for over 2000 coupling operations
- Audible snap in quick bayonet lock
- IP68 rated when mated
- Body made of high quality aluminium with resistant black finishing
- Cable version with easy-grip long metal locking ring
- Roller studs for easier coupling

Options

- Black and colored (blue, red, green, yellow) rubber locking rings
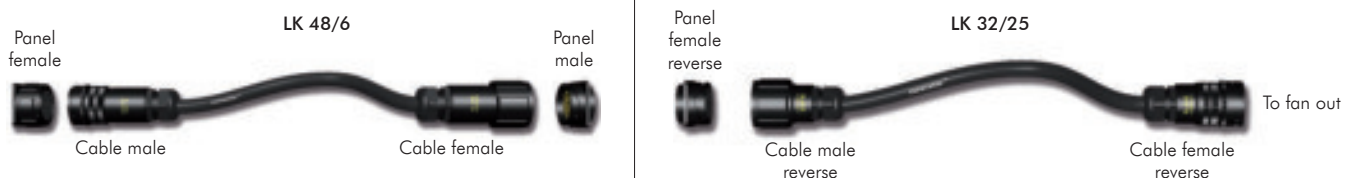- Male and female connector dust caps

The **LKA 48/6** connector was designed to connect speaker clusters using as few cables as possible. It can carry up to 18 speaker and 2 AES/EBU channels with the **eurocable** 36N40AD2 cable or up to 48 speaker and 2 AES/EBU channels with the **eurocable** 48N40AD2 cable.

Conductor · Insulation · Jacket

The **LKA 32/25** can transport 12 indipendent speaker channels and together with the **eurocable** 24N40 cable it expands Link's ability to provide customized AMP boxes, snakes, and break-in/out solutions to fulfill the increasing demands of its customers. A wide range of snake and break-in/out cables are available with connector options used by leading speaker manufacturers: Neutrik-NL, Amphenol Eps, or circular CA-COM compatible connectors.

STANDARD WIRING

LK 48/6

Panel female · Cable male · Cable female · Panel male

LK 32/25

Panel female reverse · Cable male reverse · Cable female reverse · To fan out

LK 48/6 Connectors

Cable mounting
Male

LK* 48/6 MV	54 poles
LK* 48/6 MVK	plus kellems
LK* 48/6 MVK 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 FVK 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

Female reverse

LK* 32/25R FV	25 poles

Cable mounting
with locking ring

Male reverse	
LK* 32/25R MV	25 poles

Cable mounting
with rubber locking ring

Male reverse	
LK* 32/25R MV P	25 poles

Panel mounting

Female reverse

LK* 32/25R FP	25 poles

Male reverse

	25 poles
LK* 32/25R MP	

Other configurations available on request

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

Accessories

Dust cap		Rubber locking ring	Robust strain relief

LK 32 TPMN	For LK 32/25 without locking ring
LK 32 TPFN	For LK 32/25 with locking ring
LK 40 TPMN	For LK 48/6 without locking ring
LK 40 TPFN	For LK 48/6 with locking ring

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

Items subject to Minimum Order Qty

**	B	R	G	Y
	Blue	Red	Green	Yellow

PG36 standard configuration. M63 for LK 48/6 and LK 32/25, PG42 for LK 32/25 on request and subject to Minimum Order Quantity. Mesh cable gland available.

69,9
55,5
69,9
55,5
48 pins size 12
6 pins size 18
LK 48/6
Size 40

57
44,5
57
44,5
25 pins size 12
LK 32/25
Size 32
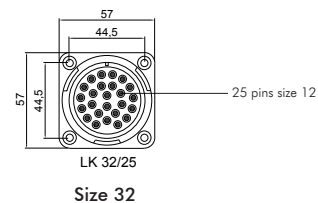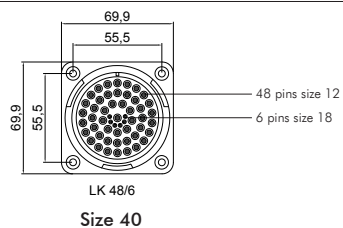
LKO Optical System

The LKO hybrid optical/power connector features a 4 channel expanded beam optical connection and 5 x 8 AWG electrical contacts.
The power contacts are ideal for transporting a three phase 32A power source in addition to the tactical optical cable (4 Single mode 90/125 wires, ref. **eurocable** CVS LK FO4SM 8/5).

When coupled with the PDlink smart distribution system and our new FO4SM 8/5 hybrid **eurocable** (featuring 4 strands of single mode optical fibre 9/125 and 5 x 10 mm² 8 AWG conductors), Link provides a complete solution for transporting power and data to lighting and powered speaker systems.

Fast LinkLock backshell!

Jacket
Power
Fiber optic
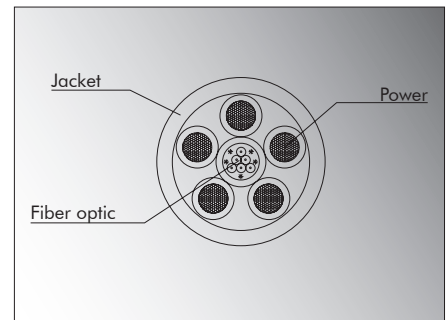
- 2 or 4 channels expanded beam optical connection plus 5 x 10 mm² (8 AWG)
- Easy and error-free mating for fast connections
- Fast LinkLock backshell
- Excellent resistance against accidental unlocking caused by shocks and vibrations
- Audible snap in quick bayonet lock
- Cable version with easy-grip long metal locking ring
- Roller studs for easier coupling
- Body made of high quality aluminium with resistant black finishing
- Guaranteed for over 2000 coupling operations
- IP68 rated when mated
- PG29 cable strain relief as standard

Options
- Black and colored (blue, red, green, yellow) rubber locking rings
- Male and female connector dust caps

PDlink Distribution System
PDlink is the next generation of power and signal distribution designed to deliver a truly unified and modular interconnect system.
Leveraging decades of experience and innovation, Link combines LK connectors, **eurocable** hybrid signal and power cables to offer a unified line of 19" high density rack mounted units for power, data, audio, speaker, and video distribution.

STANDARD WIRING

Panel female
Panel male
Cable male
Cable female

LKO Extensions

LKO Extensions Ordering Code

Panel female

Panel male

Cable male

Cable female

SNKO 32T4 S 150 M B

Number of fiber channels	
2 channels	**32T2**
4 channels	**32T4**

Cable Length	
1	55
2	60
3	65
4	70
5	75
6	80
7	85
8	90
9	95
10	100
15	125
20	150
25	175
30	200
35	225
40	250
45	275
50	300

Unit Measure	
Feet	
Meters	**M**

Accessories
R Black **B** Blue **E** Red **Y** Yellow **G** Green **S** Grey **O** Orange
D Dust Cap
H Mesh eye cable grip
K Mesh cable gland
DK Dust cap + Mesh cable gland
DH Dust cap + Mesh eye cable grip
Rubberized Locking Ring + Dust Cap + Mesh Cable Gland (Gold Pack)
G Black **GB** Blue **GE** Red **GY** Yellow **GG** Green **GS** Grey **GO** Orange
Rubberized Locking Ring + Dust Cap (Regular Pack)
RD Black **RB** Blue **RE** Red **RY** Yellow **RG** Green **RS** Grey **RO** Orange
Rubberized Locking Ring + Mesh Cable Gland (Hard Pack)
HR Black **HB** Blue **HE** Red **HY** Yellow **HG** Green **HS** Grey **HO** Orange
Rubberized Locking Ring + Mesh Cable Gland Grip (Light Pack)
LR Black **LB** Blue **LE** Red **LY** Yellow **LG** Green **LS** Grey **LO** Orange
Rubberized Locking Ring + Mesh Cable Gland + Mesh Cable Gland Grip (Silver Pack)
SR Black **SB** Blue **SE** Red **SY** Yellow **SG** Green **SS** Grey **SO** Orange
Rubberized Locking Ring + Dust Cap + Mesh Cable Gland + Mesh Cable Gland Grip (Platinum Pack)
PR Black **PB** Blue **PE** Red **PY** Yellow **PG** Green **PS** Grey

LKS Data Connector
- 6 Circuit Power
- DMX or sACN/Artnet/MA-Net

Powered Speaker System

Stage Branch and Backbone Distro

LKS Data Connector
- 6 Circuit Power
- 2x AES or Analog
- Network - AVB, AES67, or Dante

LKO Connector
- 3 Phase Power
- Fiber Optic

eurocable

Front of House Distro

Audio Signal and Control

Lighting Control and Intercom

CWDM Fiber Optic Signal Combiner
- Ethernet
- HD/3G/6G/ SDI
- MADI
- Intercom

Front of House

Video Control and Remote Camera Signals

69,9

55,5

69,9

55,5

5 pins size 8

Expanded Beam

LKO Three Phase

Size 40

LKG Gigabit System

The LKG Gigabit series of connectors is ideal for applications that require multiple CAT6A connections + Power. Available with configurations of 1, 2, 4, and 6 CAT6A connections and power from single phase 20A to three phase 30A, LKG is ideal for Front Of House and cross stage connections that require hybrid power + data.

LKG 24/2E6: 2 Gigabit contacts, 6 pins size 16.

LKG 24/2E10: 2 Gigabit contacts, 3 pins size 12, 1 pin size 16, 6 pins size 18.

New configuration!

LKG T 32 4E: 4 Gigabit contacts, 5 pins size 8, with fast LinkLock backshell

LKG 28/2E36: 2 Gigabit contacts, 36 pins size 18.

LKG 24/2E20: 2 Gigabit contacts, 20 pins size 18.

- Available in 8 different configurations in male/ female panel and cable versions
- 8 kinds of hybrid cables specifically designed for each LKG connector type
- High quality CAT6 Gigabit circular contacts
- Easy and error-free mating for fast connections
- Audible snap in quick bayonet lock
- Excellent resistance against accidental unlocking caused by shocks and vibrations
- Guaranteed for over 2000 coupling operations
- IP68 rated when mated
- Body made of high quality aluminium with resistant black finishing
- Cable version with easy-grip long metal locking ring
- Roller studs for easier coupling

LKG 32/6E, LKG 32/4E: 6 or 4 Gigabit contacts.

LKG 20/1E3: 1 Gigabit contact, 3 pins size 12.

eurocable

| CVS LK1CAT6S 16/3 | CVS LK2CAT6F AD2 | CVS LK2CAT6SF 12/3 AD2 | CVS LK2CAT6F AD6 | CVS LKSSAD12C2U | CVS LK4CAT6F | CVS LK6CAT6F |

LKG Gigabit Extensions

LKG Extensions Ordering Code

Panel female

Cable male

Cable female

Panel male

SNKG	2	S	150	M	B

Number of Channels	
2 CAT + 2 Audio	2
2 CAT + 6 Audio	6
2 CAT + 12 Audio	12
2 CAT + 2 Audio + 1 Power	2P
4 CAT	4
6 CAT	6
1 CAT + 1 Power	1
4 CAT + 1 Power	4P

Cable serie	
2CAT6F AD2 (2CAT + 2 Audio)	2H
2CAT6F AD6 (2CAT + 6 Audio)	6H
SSAD12C2F (2CAT + 12 Audio)	P
2CAT6SF 12/3 AD2 (2CAT + 2 Audio + 1 Power)	X
4CAT6F (4CAT)	N
6CAT6F (6CAT)	F
1CAT6S 16/3 (1CAT + 1 Power)	R
1CAT6S 12/3 (1CAT + 1 Power)	Y
4CAT6SF 10/5 (4CAT + 1 Power)	Q

Cable Length			
1		35	
2		40	
3		45	
4		50	
5		55	
10		60	
15		65	
20		70	
25		75	
30		100	

Unit Measure	
Feet	
Meters	M

Accessories
R Black B Blue E Red Y Yellow G Green S Grey O Orange (Rubber locking ring)
D Dust Cap
H Mesh eye cable grip
K Mesh cable gland
DK Dust cap + Mesh cable gland
DH Dust cap + Mesh eye cable grip
Rubberized Locking Ring + Dust Cap + Mesh Cable Gland (Gold Pack)
G Black GB Blue GE Red GY Yellow GG Green GS Grey GO Orange
Rubberized Locking Ring + Dust Cap (Regular Pack)
RD Black RB Blue RE Red RY Yellow RG Green RS Grey RO Orange
Rubberized Locking Ring + Mesh Cable Gland (Hard Pack)
HR Black HB Blue HE Red HY Yellow HG Green HS Grey HO Orange
Rubberized Locking Ring + Mesh Cable Gland Grip (Light Pack)
LR Black LB Blue LE Red LY Yellow LG Green LS Grey LO Orange
Rubberized Locking Ring + Mesh Cable Gland + Mesh Cable Gland Grip (Silver Pack)
SR Black SB Blue SE Red SY Yellow SG Green SS Grey SO Orange
Rubberized Locking Ring + Dust Cap + Mesh Cable Gland + Mesh Cable Gland Grip (Platinum Pack)
PR Black PB Blue PE Red PY Yellow PG Green PS Grey

PDlink is the next generation of power and signal distribution designed to deliver a truly unified and modular interconnect system. Leveraging decades of experience and innovation, Link combines LK connectors, **eurocable** hybrid signal and power cables to offer a unified line of 19" (or rubber customized box as in picture) high density rack mounted units for power, data, audio, speaker, and video distribution.
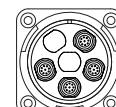
LKG 20/1E3	LKG 24/2E6	LKG 24/2E10	LKG 24/2E20	LKG 28/2E36	LKG 32/4E	LKG 32/6E
Size 20	Size 24	Size 24	Size 24	Size 28	Size 32	Size 32

LKG Video & Data Gigabit Connector

The LKG 32/3ERG6 connector is specifically designed for live entertainment and Broadcast-TV applications with MADI digital audio and HD-SDI connections. The combination of CAT6A and RG6 in one trunk cable allows you to send a wide variety of signals over extended distances.
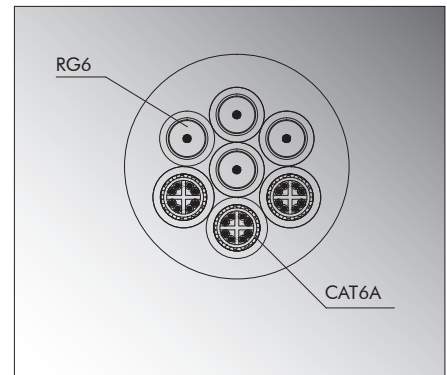
- Available in male/female panel and cable versions
- 3 high quality CAT6A Gigabit circular contacts plus 4 RG6 coaxial contacts
- Easy and error-free mating for fast connections
- Audible snap in quick bayonet lock
- Excellent resistance against accidental unlocking caused by shocks and vibrations
- Guaranteed for over 2000 coupling operations
- IP68 rated when mated
- Body made of high quality aluminium with resistant black finishing
- Cable version with easy-grip long metal locking ring
- Roller studs for easier coupling

The **LKG 32/3E4RG6** connector features 3 CAT6A Gigabit and 4 RG6 coaxial contacts.
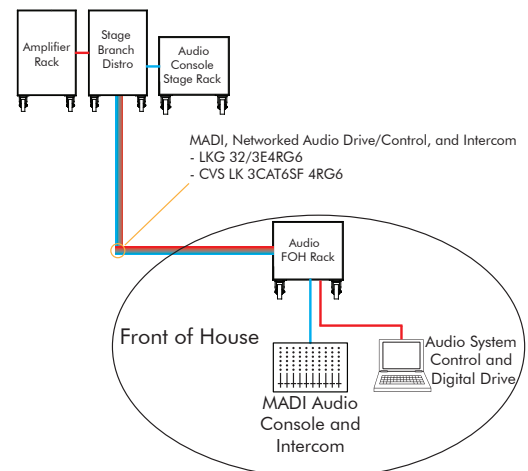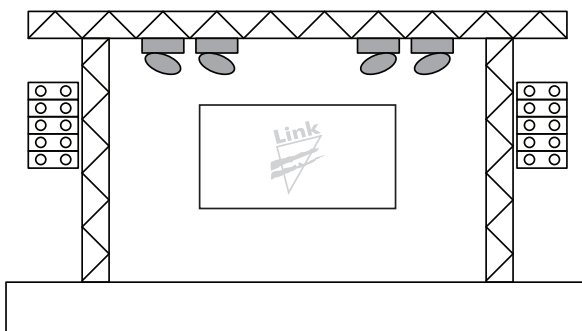

CVS LK3CAT6SF 4RG6 Cable

CVS LK3CAT6SF 4RG6 Section

Application examples

Stage Audio Application

Amplifier Rack

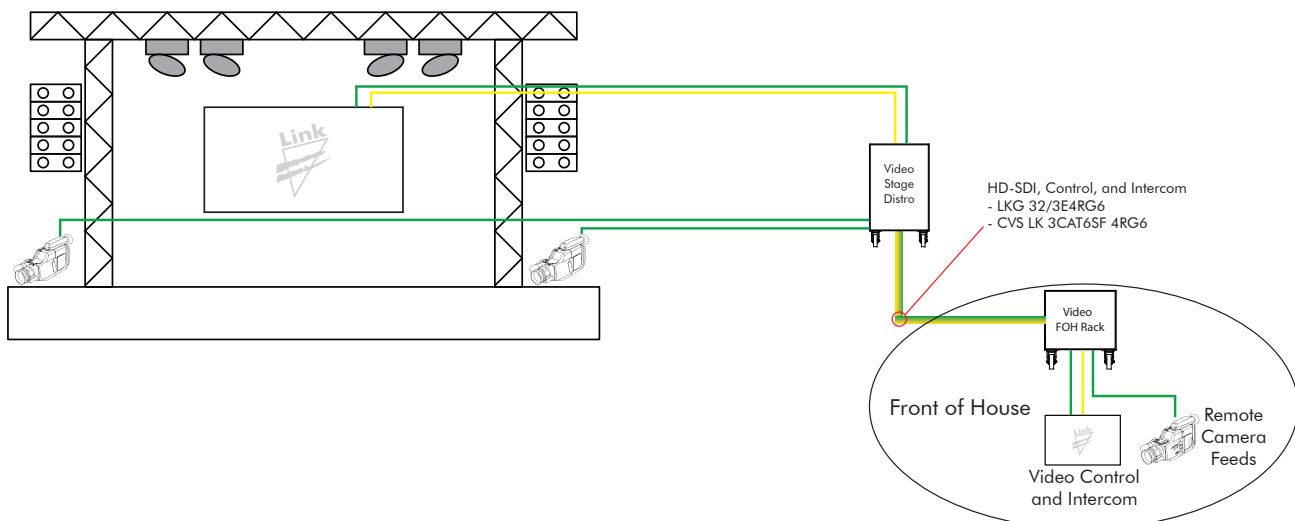Stage Branch Distro

Audio Console Stage Rack

MADI, Networked Audio Drive/Control, and Intercom
- LKG 32/3E4RG6
- CVS LK 3CAT6SF 4RG6

Audio FOH Rack

Front of House

MADI Audio Console and Intercom

Audio System Control and Digital Drive

LKG Video & Data Gigabit Extensions

Panel
male

Cable female

Cable male

Panel
female

SNKG   3   G   150   M   B

Cable Length	
1	35
2	40
3	45
4	50
5	55
10	60
15	65
20	70
25	75
30	100

Unit Measure	
Feet	
Meters	M

Accessories
R Black **B** Blue **E** Red **Y** Yellow **G** Green **S** Grey **O** Orange
D Dust Cap
H Mesh eye cable grip
K Mesh cable gland
DK Dust cap + Mesh cable gland
DH Dust cap + Mesh eye cable grip
Rubberized Locking Ring + Dust Cap + Mesh Cable Gland (Gold Pack)   **G** Black **GB** Blue **GE** Red **GY** Yellow **GG** Green **GS** Grey **GO** Orange
Rubberized Locking Ring + Dust Cap (Regular Pack)   **RD** Black **RB** Blue **RE** Red **RY** Yellow **RG** Green **RS** Grey **RO** Orange
Rubberized Locking Ring + Mesh Cable Gland (Hard Pack)   **HR** Black **HB** Blue **HE** Red **HY** Yellow **HG** Green **HS** Grey **HO** Orange
Rubberized Locking Ring + Mesh Cable Gland Grip (Light Pack)   **LR** Black **LB** Blue **LE** Red **LY** Yellow **LG** Green **LS** Grey **LO** Orange
Rubberized Locking Ring + Mesh Cable Gland + Mesh Cable Gland Grip (Silver Pack)   **SR** Black **SB** Blue **SE** Red **SY** Yellow **SG** Green **SS** Grey **SO** Orange
Rubberized Locking Ring + Dust Cap + Mesh Cable Gland + Mesh Cable Gland Grip (Platinum Pack)   **PR** Black **PB** Blue **PE** Red **PY** Yellow **PG** Green **PS** Grey

Stage Video Application

Video
Stage
Distro

HD-SDI, Control, and Intercom
- LKG 32/3E4RG6
- CVS LK 3CAT6SF 4RG6

Video
FOH Rack

Front of House

Remote
Camera
Feeds

Video Control
and Intercom

LKS Data Systems

The LKS Data connector introduces the next evolution of LK connectors incorporating integral data transport while maintaining compatibility with all conventional "Socapex" style 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, Gigabit Ethernet, or digital audio. The LKS Data connector also leverages a printed circuit board to provide easy termination of both ground and data contacts.

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.

Fast LinkLock backshell!
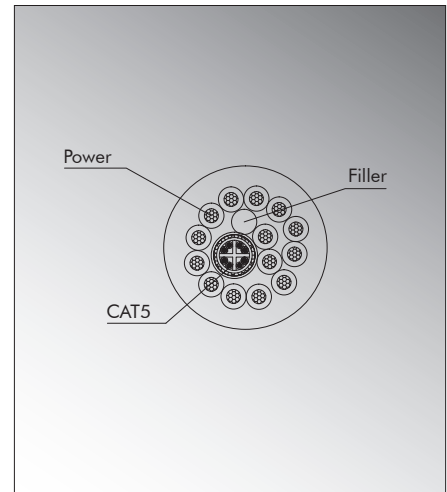
- Screw coupling connector
- Fully compatible with Socapex SL 419 series
- Integrated data transport
- Fast LinkLock backshell
- Easy "blind mating" allignment
- Proprietary pin block and mounting configuration supports 6 circuits pf L/N/G contacts plus up to 4 data contacts retaining compatibility with conventional Soca cables
- Gold plated machined pins
- Integrated locking ring set scew
- Plastic insulating sleeve
- Body ground fulfilling UL & NEC requirements
- IP67 rated when mated
- Interchangeable locking rings
- Wide range of cable strain reliefs
- Anti spinning system

Options
- Tulip/retention spring pins
- Long backshell
- Black and colored (blue, red, green, yellow) rubber locking rings
- Male and female connector dust caps

Extensions
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.

Power — Filler — CAT5

LKS Data Systems

PDlink Power Distribution

Due to the high grade of customization for all PDlink products, we highlight some standard basic solutions which can be configured and expanded to provide the right answer for your needs.

LKS Data Extensions Ordering Code

| PD | G | LKSDD | BB | E | 1 | E | 25 | 04 | D | CL | P |

Typology	
Power Data Mega	M
Power Data Giga	G

Connector Type (12 pins)	
LKS Data die cast	LKSDD
LKS Data machined	LKSDM

Locking Ring Type	
Black with black rubber locking ring	BB
Black with black metal locking ring	B0

Contact Type	
Retention tulip for female	0
Tulip for female	1

Cable Type	
Hybrid power/data	E
Hybrid power/data flat	F

Cable Length			
5		35	
10		40	
15		45	
20		50	
25		55	
30		60	

Accessories	
No accessories	
Dust cap	D

Packaging	
Velcro strap and cable label	V2
Coil&Carry with handle	VA
Cable label with clear heatshrink	CL

Test	
No test	
PAT test	P

LKS Data Break In/Out Ordering Code

Dust cap	
No	
Yes	D

Packaging	
Velcro strap and cable label	V2
Coil&Carry with handle	VA
Cable label with clear heatshrink	CL

| BRDGI | DDR | B | P3 | H | S | H | 2 | F | D | V2 |

Typology	
Break In Data Giga	BRDGI
Break In Data Mega	BRDMI
Break Out Data Giga	BRDGO
Break Out Data Mega	BRDMO

LKS Data Type	
Male die cast with rubber locking ring	DDR
Male die cast with metal locking ring	DDP
Male machined with rubber locking ring	DMR
Male machined with metal locking ring	DMP
Female die cast	DDF
Female machined	DMF

LKS Data Color	
Black	B
Silver	S
Red	R
Blue	BL
Yelow	Y

Power Connectors Type	
PCE CEE 16A IP44	C1
PCE CEE 16A IP67	C2
PowerCON 20A	P2
PowerCON 32A	P3
No connectors	0

Data Type	
Hirose CAT5 with booth	H
EtherCON	E
XLR 3P MV	3M
XLR 3P FV	3F
XLR 5P MV	5M
XLR 5P FV	5F

Color	
Black	B
Silver	S

Cable Type	
H07RNF 3G2.5 + CAT5	H
Titanex 3G2.5 + CAT5	T

Length	
6 x 1m	0
6 x 1.5m	1
6 x 2m	2

LKS 19 Pin

The LKS range has been designed for professional lighting and power distribution applications. While maintaining full compatibility with Socapex SL 419 series, LKS connectors represent a significant breakthrough in reliability and safety. Based on the LK Series MIL-SPEC designs, these connectors are extremely robust, IP rated and available with impact resistant rubber locking rings.

The **LKS** connectors range represents a real breakthrough in terms of reliability and safely.

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.

- Screw coupling connector
- Fully compatible with Socapex SL 419 series
- Ground first contact
- Gold plated machined pins accepting conductors from 1.5 to 4 mm²
- Dual ground rings
- Plastic insulating sleeve
- Body ground fulfilling UL & NEC requirements
- IP67 rated when mated
- Interchangeable locking rings
- Wide range of cable strain reliefs
- Anti spinning system

Options
- Tulip/retention spring pins
- Long backshell (standard in Spider version)
- Integrated locking ring set scew (standard in Spider version)
- Black and colored (blue, red, green, yellow) rubber locking rings
- Male and female connector dust caps
- Fast LinkLock backshell

FAST LINKLOCK BACKSHELL
Secure locks and quickly unlocks with a 1/4 turn every time, time after time.
Only available in machined version.

LKS 19 PIN SPIDER
The LKS 19 pin spider connector maintains the width of the PG29 and guarantees secure fan out terminations with a highly resistant strain relief.

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 rubber inserts are secured and will not spin.

MADE IN ITALY

LKS 19 Pin

LKS Ordering Code

LKS | D | LMS | PA | M29 | B | 1 | | |

Version	
Die cast aluminium	D
Machined aluminium	M

Connector Type	
Cable male solder	LMS
Cable male crimp	LMC
Cable female solder retention tulip	LFSR
Cable female solder tulip	LFST
Cable female crimp retention tulip	LFCR
Cable female crimp tulip	LFCT
Panel male solder	PMS
Panel male crimp	PMC
Panel female solder retention tulip	PFSR
Panel female solder tulip	PFST
Panel female crimp retention tulip	PFCR
Panel female crimp tulip	PFCT

Locking ring	
Without ring	
Aluminium black painted	PA
Aluminium black rubberized	RA
Aluminium colored rubberized	R*
Aluminium black anodized	A
Aluminium colored anodized	**
Long aluminium black painted	LPA
Long aluminium black rubberized	LRA
Long alum. colored rubberized	LR*
Long alum. black anodized	LA
Long alum. colored anodized	L**

Items subject to Minimum Order Qty

* | B Blue | R Red | G Green | Y Yellow | GR Grey |

** | B Blue | R Red | G Green | Y Yellow | S Silver |

Backshell version	
Aluminium PG29	M29
Aluminium PG36	M36
Aluminium PG42	M42
Aluminium long version PG29	L29
Aluminium long version PG36	L36
Aluminium for six way cable relief	MS
Aluminium metric thread M40	M40
Set screw version: add	X

Shell & Backshell version	
Black painted	B
Black anodized	A
Colored anodized	A**

Special Version	
No special version	
PCB common ground	CG

Cable relief	
Plastic PG29	1
Plastic PG36	2
Plastic PG42	3
Aluminium (silver) w/ stainless mesh PG29	4S
Aluminium (silver) w/ stainless mesh PG36	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

New 1/4 turn lock shell/backshell available on request

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

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.

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.

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

Accessories

Dust cap

For connectors:
LKS 19 TPM with locking ring
LKS 19 TPF without locking ring

Ground ring

LKS GD A
Enables the equipotential connection of the 7 ground contacts.
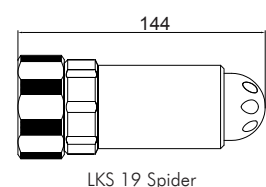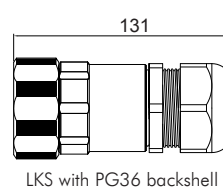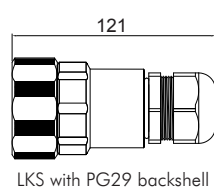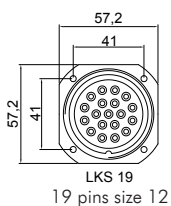
Rubber locking ring

LKS 32 RA* For LKS
Items subject to Minimum Order Qty
* | B Blue | R Red | G Green | Y Yellow | GR 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.

57,2
41
57,2
41
LKS 19
19 pins size 12

121
LKS with PG29 backshell

131
LKS with PG36 backshell

144
LKS 19 Spider

Multi-Coax Connectors

The LK Multi-Coax connectors are ideal for Broadcast-TV and OB Van applications that require multiple video and signal connections in harsh environments. Based on the LK Series MIL-SPEC designs, these connectors are extremely robust, IP rated, and available with impact resistant rubber locking rings.

The **LKA 40/89** connector is the largest in the coax series and it features 80 pins size 18 for signal transmission, 6 coaxial pins and 3 pins size 12 for power.

- Available in male/female panel and cable versions
- High quality coax contacts (HDTV grade)
- Easy and error-free mating for fast connections
- Audible snap in quick bayonet lock
- Excellent resistance against accidental unlocking caused by shocks and vibrations
- Guaranteed for over 2000 coupling operations
- IP68 rated when mated
- Body made of high quality aluminium with resistant black finishing
- Cable version with easy-grip long metal locking ring
- Roller studs for easier coupling
- PG36 cable strain relief as standard

Options

- ☐ Black and colored (blue, red, green, yellow) rubber locking rings
- ☐ Male and female connector dust caps

The **LKA 40/58** connector features 46 pins size 18 for signal transmission and 12 coaxial pins.

The **LKA 40/18** connector features 18 coaxial pins.

STANDARD WIRING

Panel male

Cable female

Cable male

Panel female

LKA 40/18

Cable mounting
Male

| **LKA 40/18 MV** | 18 poles |
| **LKA 40/18 MVK** | plus kellems |

Female

| **LKA 40/18 FV** | 18 poles |
| **LKA 40/18 FVK** | plus kellems |

Panel mounting
Male

| **LKA 40/18 MP** | 18 poles |

Female

| **LKA 40/18 FP** | 18 poles |

Cable mounting
with rubber locking ring
Female

| **LKA 40/18 FV P** | 18 poles |
| **LKA 40/18 FVK P** | plus kellems |

Accessories
Dust cap

| **LK 40 TPMN** | For connectors without locking ring |

Size 40

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 |

Panel mounting
Male

| **LKA 40/58 MP** | 58 poles |

Female

| **LKA 40/58 FP** | 58 poles |

Cable mounting
with rubber locking ring
Female

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

Dust cap

| **LK 40 TPFN** | For connectors with locking ring |

Size 40

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 |

Panel mounting
Male

| **LKA 40/89 MP** | 89 poles |

Female

| **LKA 40/89 FP** | 89 poles |

Cable mounting
with rubber locking ring
Female

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

Rubber locking ring

| **LK 40 RL**** | For Coax connectors |

Items subject to Minimum Order Qty

| ** | **B** | **R** | **G** | **Y** |
| | Blue | Red | Green | Yellow |
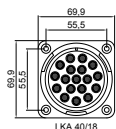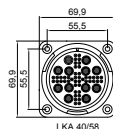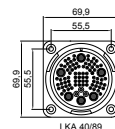
Size 40

Hermaphrodite Connectors

The LK 176 series of connectors is directly compatible with the Whirlwind W4 series. Based on the LK range high quality manufacturing, these connectors are extremely robust, IP rated.

- 176 pins hermaphrodite insert in panel and cable versions
- Intermatable with MASS series connectors
- Screw coupling connector
- IP68 rated when mated
- PG36 cable strain relief as standard
- Heavy duty machined metal shell made of high quality aluminium with higly resistant black finishing

Options

- ☐ Male and female connector dust caps
- ☐ Mesh cable relief

W Style Connectors

The LK 39 and LK 61 are directly compatible with the Whirlwind W1 and W2 connectors respectively. Based on the LK range high quality manufacturing, these connectors are extremely robust, IP rated.

- 39 or 61 gold plated solder pins
- Based on military specifications MIL-26482
- Easy and error-free mating for fast connections
- Audible snap in quick bayonet lock
- Excellent resistance against accidental unlocking caused by shocks and vibrations
- Guaranteed for over 2000 coupling operations
- IP68 rated when mated
- Body made of high quality aluminium with resistant black finishing
- Cable version with easy-grip long metal locking ring
- Cable strain relief as standard

Options

- ☐ Male and female connector dust caps
- ☐ Mesh cable relief

STANDARD WIRING

| Panel | | Cable | | Panel | Panel female | | Cable male | | Cable female | | Panel male |
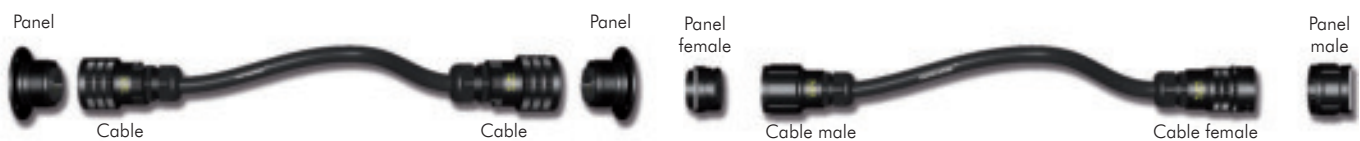
Hermaphrodite Connector

Panel mounting

LKI M176 PS — with pins

Cable mounting

LKI M176 VS — with pins

W Style Connectors

39 pins

Cable mounting
Male

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

Female

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

Panel mounting
Male

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

Female

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

61 pins

Cable mounting
Male

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

Female

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

Panel mounting
Male

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

Female

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

Accessories

Dust cap
For connectors with locking ring

LKW MDC39	For LKW 39
LKW MDC61	For LKW 61
LKI M176 TPV	For cable connector

Dust cap
For connectors without locking ring

LKW FDC39	For LKW 39
LKW FDC61	For LKW 61
LKI M176 TPP	For panel connector

Mesh cable gland
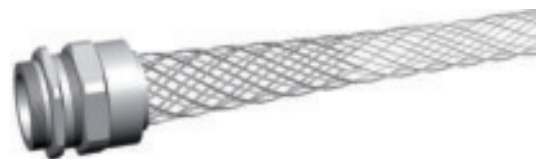
MCG PG2111	For LKW 39-61 (cable O.D. from 14.30 mm to 17.40 mm)
MCG PG2114	For LKW 39-61 (cable O.D. from 19.10 mm to 22.20 mm)
MCG PG3618	For LKI M176 (cable O.D. from 25.40 mm to 28.60 mm)
MCG PG3620	For LKI M176 (cable O.D. from 28.60 mm to 31.80 mm)

67,4
67,4
Ø 107,5
LKI M176
176 pins size 20

41,5
29,4
41,5
29,4
37 pins size 20
2 pins size 16
LKW 39

44
35
44
35
LKW 61
61 pins size 20
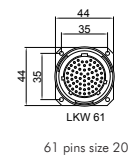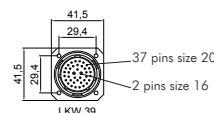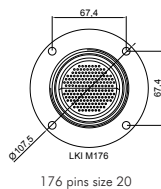
LKH Head to Ballast Connectors

The LKH series of connectors was originally designed to support head to ballast connections for most manufacturers of film and broadcast luminaires (Arri, Desisti, LTM, Mole-Richardson). LKH configurations are ideal for compact power + control connections up to 80A.

- Cable version with easy-grip long metal locking ring
- Roller studs for easier coupling
- Body made of high quality aluminium with resistant black finishing
- Front and rear panel mounting available
- IP68 rated when mated
- First in/last out ground contacts
- Shell grounding
- Silver plated solder or crimp contacts
- Machined backshells
- Suitable to fit various cable overall diameters
- Color code identification
- 400 W to 20kW range
- Cable strain relief as standard

Options
- Black and colored (blue, red, green, yellow) rubber locking rings
- Male and female connector dust caps

UL listed insert	
Item	
LKH 24-2	
LKH 28-22	
LKH 28A-9	

LKH 24-2   LKH 28-22   LKH 28A-9

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 cap

For male and female connectors

Rubber locking ring

Items subject to Minimum Order Qty

**
B	R	G	Y
Blue	Red	Green	Yellow

Ground pin

See connectors ordering code table

Special Version

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
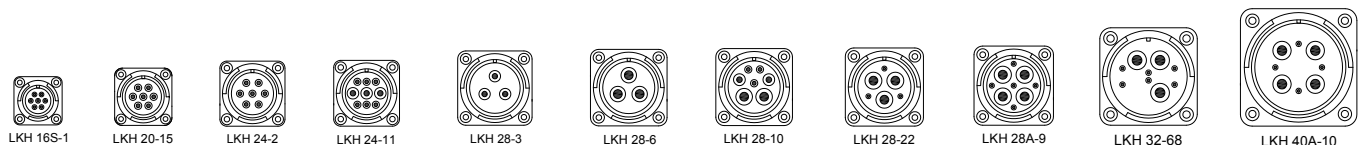
LKH Head to Ballast Connectors

LKH Connectors ordering code

LKH ☐ - ☐ - ☐☐☐☐ - ☐☐☐☐

Connector Type	
Cable mount without locking ring	01
Panel without locking ring	02
Cable mount with locking ring	06
Panel with locking ring	26

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

Shell/contact version	
Female/Female	S
Male/Male	P
Female/Male	SP
Male/Female	PS

Pins version	
No	0
Gold	G
Silver	S

Pins Type	
No	0
Crimp	C
Solder	S
PCB	P
Screw	V

Backshell	
No	0
Black aluminium	P

Cable relief	
No	0
PG11	11
PG13.5	13
PG16	16
PG21	21
PG29	29
PG36	36
PG11 with spring	11S
PG13.5 with spring	13S
PG16 with spring	16S
PG21 with spring	21S

Special version
Assigned by Link

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

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 Contacts ordering code

LK P ☐☐☐☐☐

Size
00
04
08
12
16
18
20

Version	
Female	S
Male	P

Treatment	
Gold	G
Silver	S

Type	
Crimp	C
Solder	S
PCB	P
Screw	V

Special version	
Extended (ground)	E
Protected	P

Max wire size for crimp
mm²...

Type and quantity of contacts by connector											
Pins size	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

Arrangement by manufacturer								
P (Watt)	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

LKR Chain Motor Connectors

With the addition of the standard P7 and P14 chain motor fly cable connectors, Link is maintaining 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. LKR configurations and their wiring standards, well established in the market, allow easy connection with all existing cable assemblies, chain motors, and controllers.

LKR P7: M32 plastic spring skin top as standard for cable connectors.

LKR P14: M32 plastic spring skin top as standard for cable connectors.

- 7 or 14 pins in male/female panel and cable versions
- Excellent resistance against accidental unlocking caused by shocks and vibrations
- Audible snap in quick bayonet lock
- Guaranteed for over 2000 coupling operations
- IP68 rated when mated
- Body made of high quality aluminium with resistant black finishing
- Cable version with easy-grip long metal locking ring
- Roller studs for easier coupling
- M32 cable strain relief as standard

Options

- Black and colored (blue, red, green, yellow) rubber locking rings
- Male and female connector dust caps
- Size 16 silver pins
- Solder or crimp pins
- PG16 and PG21 cable relief with locknut or anti-bending spring

Rubber locking ring available

STANDARD WIRING

| Panel female | Cable male | Cable female | Cable male | Cable female | Panel male |
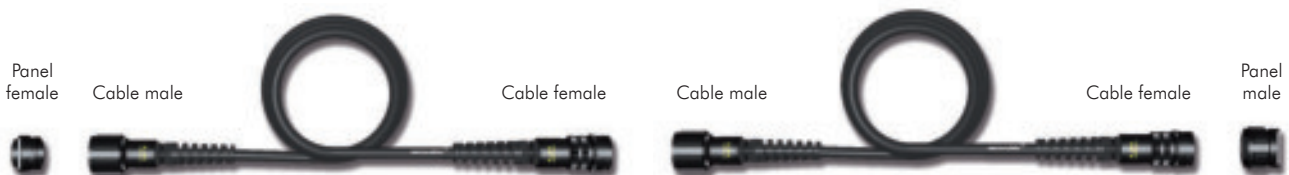
LKR P7 Connectors

LKR P14 Connectors

(pins are to be ordered separately)

Cable mounting
Male

LKR P7 MV   7 poles

Female

LKR P7 FV   7 poles

Panel mounting
Male

LKR P7 MP   7 poles

Female

LKR P7 FP   7 poles

Cable mounting
with rubber locking ring
Male

LKR P7 MV P   7 poles

Cable mounting
Male

LKR P14 MV   14 poles

Female

LKR P14 FV   14 poles

Panel mounting
Male

LKR P14 MP   14 poles

Female

LKR P14 FP   14 poles

Cable mounting
with rubber locking ring
Male

LKR P14 MV P   14 poles

Pins
Male

Crimp version		Solder version	
	Gold for:		Gold for:
LK P12 PGC1,5	1.5 mm² LKR P7	**LK P12 PGS**	LKR P7
LK P12 PGC03A	4 mm² LKR P7	**LK PMD S**	LKR P14
LK PMD	LKR P14		

Female

Crimp version		Solder version	
	Gold for:		Gold for:
LK P12 SGC1,5T	1.5 mm² LKR P7	**LK P12 SGST**	LKR P7
LK P12 SGC03AT	4 mm² LKR P7	**LK PFD T S**	LKR P14
LK PFD T	LKR P14		

Accessories
Dust cap

LK 20 TPMN	For connectors without locking ring
LK 20 TPFN	For connectors with locking ring

Rubber locking ring

LK 20 RL *   For LK P7/P14

Items subject to Minimum Order Qty

**

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

Robust strain relief

M32 plastic spring standard configuration. PG16 and PG21 are available on request and subject to minimum order quantity. Mesh cable gland available.

38 mm
29.4 mm
38 mm
29.4 mm
7 pins size 12

LKR P7
Size 20

38 mm
29.4 mm
38 mm
29.4 mm
14 pins size 16
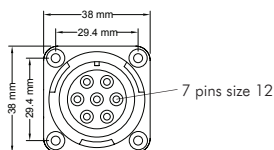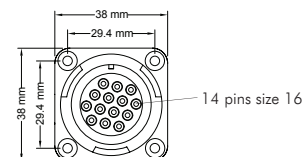
LKR P14
Size 20

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.

CE
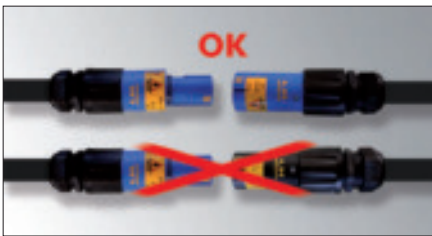
The Power Link connector series has permanent integral keys which prevent the accidental connection of dissimilar types (e.g. Earth and line 1).
Each connector type has a unique keyed position. Visual identifications are easily made by means of the color insulator.

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 pin to prevent accidental disconnection
- Glass filled nylon insulators and insulated nylon tip on live contact to prevent injuries to operator
- High degree of insulation with maximum resistance to oil, fuel acids and water
- 23 springs contact element granting minimum insertion force and guarantees multiple points of contact, ensuring minimal power loss.
- IP67 rated when mated
- 400A or 660A drain/source panel and line versions
- M40 or PG29 cable strain relief
- Screw or crimp contacts

Options

- ☐ Crimp contacts
- ☐ Protected male version
- ☐ Without secondary locking pin

METRIC VERSION
Backshell with integral handgrip, enabling comfortable grip.

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

How to order Connectors

Max Current Rating	
400A	
660A	6

LK PL ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

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

Male Protected Version	
Standard Version	
Male Protected Version	P

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

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 19-28mm	RMN
M40x1.5 10-23mm	RMR
M40x1.5 22-32mm	RML

Contact Type	
Screw Type	1
Crimp contact 35-50mm²	2
Crimp contact 70-95mm²	3
Crimp contact 120-150mm²	E
Crimp contact up to 300mm²	N

Technical data		
Max current Rating	400A	660A
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 M12 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

Accessories

Pin key

LK PL KEY   Pin Key

Dust cap

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

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).

SEL. NO.

SELECTOR KNOB

Contact Size	AWG 26	AWG 24	AWG 16	AWG 14	AWG 12	Wire Size
20	1	2				
18	1	2				Sel. No.
16	1	2				
12			6	7	8	
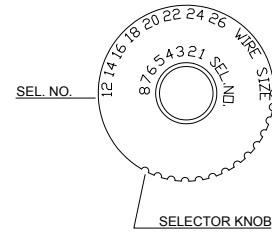
LK CRIMP	Crimping tool for LKA-LKS-LKH
LK CRIMP PN	Pneumatic crimping tool for LKA-LKS-LKH

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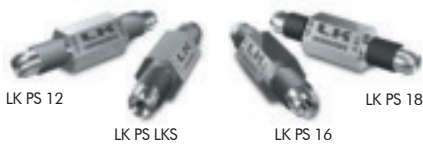
LK PS LKS	Positioner for LKS pins
LK PS 12	Positioner for pins size 12 LKH
LK PS 16	Positioner for pins size 16 LKA 13-85
LK PS 18	Positioner for pins size 18 LK 150
LK PS 20	Positioner for pins size 20 LK 200

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

TURRET

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

LK TR	Turret

LK INS

Pin

LK SP

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 SP 12	Drive pin size 12 for LKH
LK SP 16	Drive pin size 16 for LKA 13-85
LK SP 18	Drive pin size 18 for LK 150
LK SP 20	Drive pin size 20 for LK 200
LK SPCATM	Male drive pin for Gigabit contacts
LK SPCATF	Female drive pin 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.
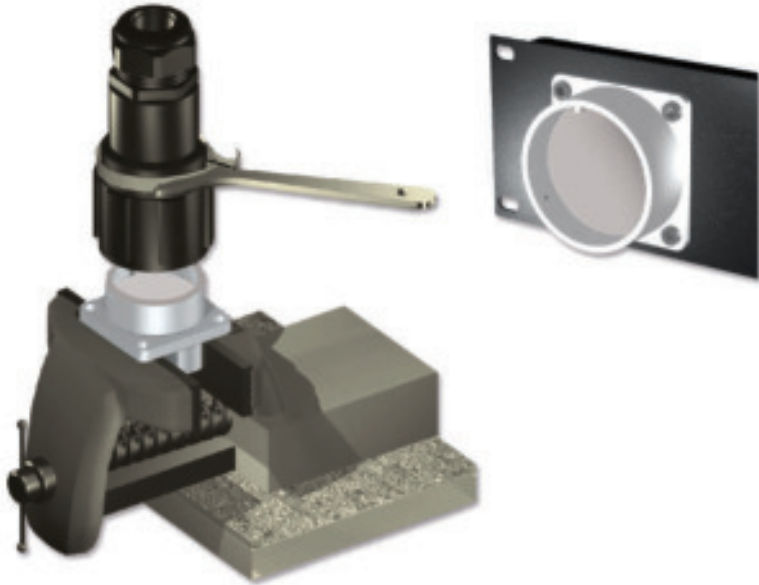
LK K 20	Dummy for size 20 (13 poles)
LK K 20LR	Dummy for size 20 (13 poles with locking ring)
LK K 24	Dummy for size 24 (25 poles)
LK K 24LR	Dummy for size 24 (25 poles with locking ring)
LK K 28	Dummy for size 28 (37 poles)
LK K 28LR	Dummy for size 28 (37 poles with locking ring)
LK K 32	Dummy for size 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 rear lid.

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)
PG11	3.75	2.50
PG13.5	3.75	2.50
PG16	5.00	3.30
PG21	7.50	5.00
PG29	7.50	5.00
PG36	7.50	5.00
PG42	7.50	5.00
M40 x 1.5	13.00	13.00

LK EX

Pin

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.

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

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.

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 14-25 mm
SK TOP MN150	PG36 for cables 22-32 mm

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 14 to 25 mm	PG29

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 14-25 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

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

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

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

mm
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51

PG

PG48

PG42

PG36

PG29

PG21

M63

PG16

M50

PG13.5

M40

PG11

M32

PG9

M25

PG7

M20

M16

M7

METRIC

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51
mm
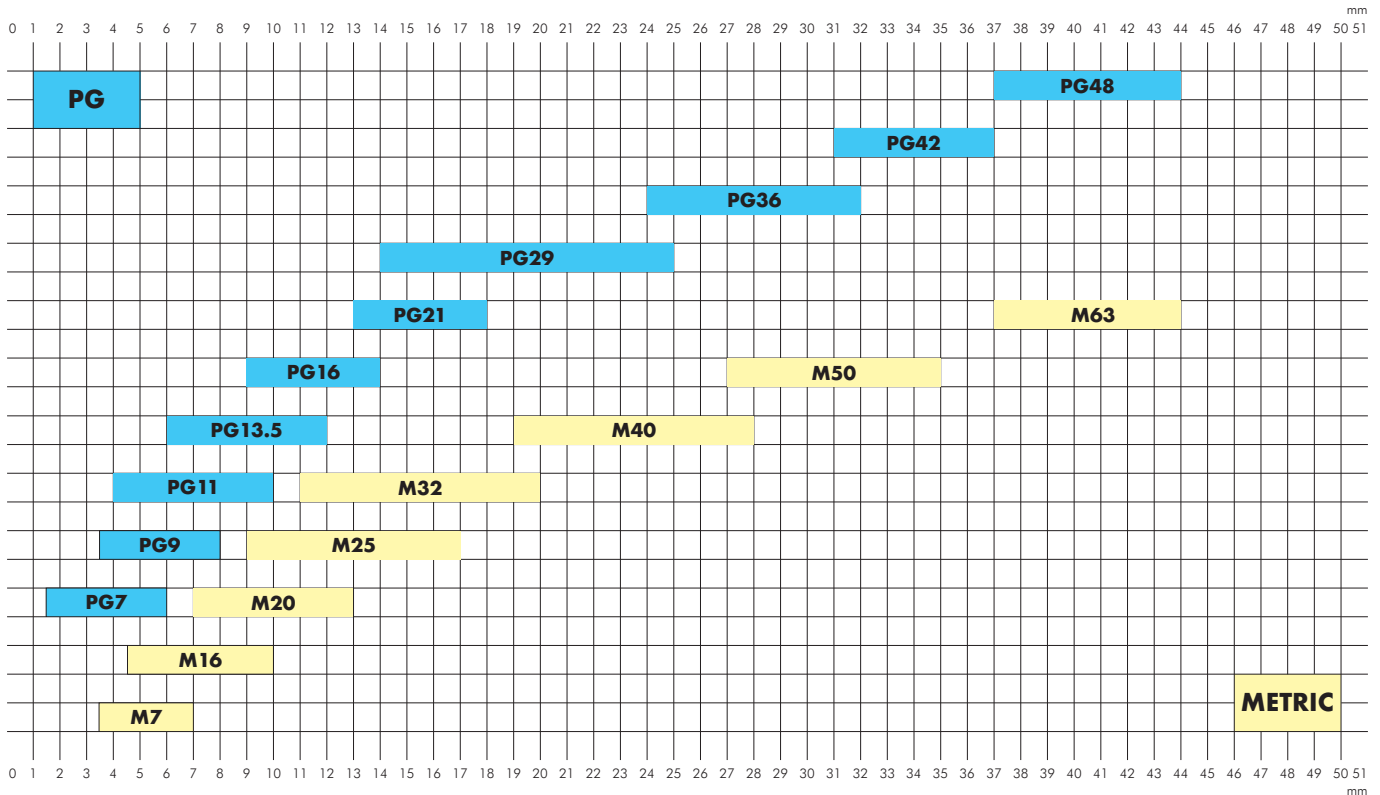
Dimensional Data

Size	No. Pins	L1 mm	L2 mm 03 rear mount.	L3 mm	L4 mm	L5 mm	D1 mm	D2 mm	D3 mm
20	13	33.8	23	4	38	29.4	34.2	28.5	3.2
24	25	33.8	23	4	44.5	34.9	40.9	35.3	3.7
28	37	35.7	24	4	50.8	39.7	46.7	41.4	3.7
32	54	37.3	24	4	57	44.5	53.4	47.8	4.3
40	85/150/200	37.2	24	4	69.9	55.5	65.2	59	4.3

Size	No. Poles LKA	L1 mm	L3 mm	L4 mm	L5 mm	D1 mm	D3 mm
20	13	38.6	4	38	29.4	42.5	3.2
24	25	41	4	44.5	34.9	50	3.7
28	37	41.8	4	50.8	39.7	57	3.7
32	54	44	4	57	44.5	64	4.3
40	85/150/200	45	4	69.9	55.5	75.5	4.3
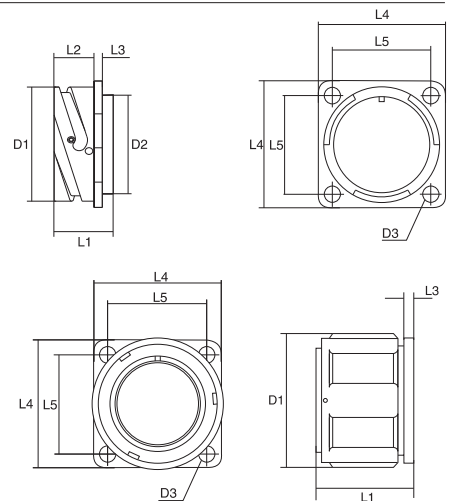
Pins

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

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	j
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	j	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	

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	132
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	M1
41	N1	N2	N3
42	N4	N5	N6
43	N7	N8	N9
44	N10	N11	N12
45	N13	N14	N15
46	P13	P12	P11
47	P10	P9	P8
48	P7	P6	P5
49	P4	P3	P2
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	Red (+)	Black (-)
1	E	F
2	G	H
3	C	D
4	A	B

Speaker - LK 32/25

Ch	Red (+)	Black (-)
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	
Audio1	A	B	C
Audio2	D	E	F

LKG 20/1E3

Power	Brown	Yellow Green	Blue					
	L	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	5					
2	3	4	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 28/2E36

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	
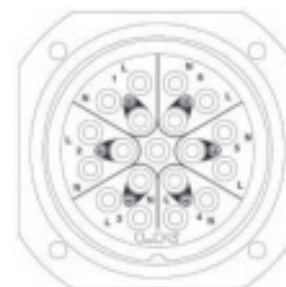
Standard Wiring

12 ch - LKW39			
Ch	+	-	G
1	p	n	q
2	W	A	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	j	V
11	i	h	T
12	R	g	S

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

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 Equivalents

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	11	10	8	6	4	2	1	2/0	3/0	4/0
mm²	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	4.17	5.26	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

mm²	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 GT310RM	398	166	84	64	39	22								
AV GT380RM	740	319	170	114	82	43	29	24						
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

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