

MegaLine® Connect100

The migration-capable connection technology

Upgrade your performance to Cat. 6_A, 7, 7_A and higher...



The Quality Connection

LEONI

Product range

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We reserve the right to make technical modifications;
typographical errors and mistakes excepted.



The MegaLine® Connect100 connection system already satisfies all the requirements of IT networks of the future. Numerous advantages, including affordability and sustainability for the future, place this innovative concept at the leading edge of cable systems.

With MegaLine® Connect100, upgrades and migrations can be performed with minimal time expenditure and without cost-intensive new installation. Thanks to the modular design, a conversion from Category 6_A to Category 7_A with the existing cable structure is no problem whatsoever.



Sustainability for the future

- Through interchangeable jack modules
- Ready for 40 GBit/s



Investment protection

- Through interchangeable jack modules
- Through upward and downward compatibility
- Through value retention with cable connectors

MegaLine® Connect100

Unique advantages.

The cable system for the shortest assembly times, maximum electrical performance and sustainability for the future in data centers and offices.

- Through independent certification (GHMT PVP program)
- Through system guarantee
- Through a complete system from one provider

Security

- For all classes (D to F_A) and categories (5 bis 7_A), including multimedia and ready for 40 GBit/s
- High EMC, Alien Crosstalk by design
- Through PoE and PoE plus



- Through a single cable connection with multiple uses
- Through modular design
- Through pre-assembled links

Ease of assembly

Performance



- Through high strain-relief
- Through industrial housings

Durability



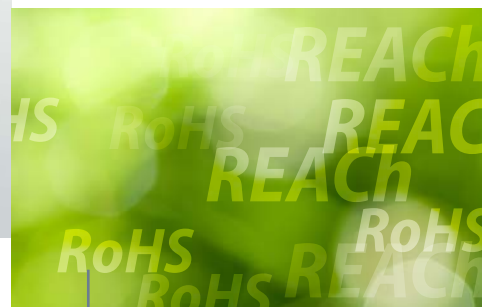
Cost-effectiveness

- Through the single cable connection with multiple uses
- Through interchangeable jack modules with different performances
- Through modular and removable distribution boards
- Through low maintenance and service costs
- Through short upgrade times
- Through short assembly times
- Through pre-assembled links (shorter downtime)



Flexibility

- Through interchangeable jack modules
- Through modular design
- Through pre-assembled links



Environmental friendliness

- Through RoHS conformity
- Through REACH conformity

MegaLine® Connect100

Unique functionality.



A Category 7_A data cable with pre-assembled cable connector – completed with a simple fitting of the desired jack module.

Cat. 6A RJ45 jack modules (IEC 60603-7-51) and Category 7_A jack modules (EN 61076-3-104) are available to choose from

Minimal assembly times – maximum performance

The ease of assembly is especially beneficial for use in data centers, whereby nearly 100% availability can be guaranteed. Pre-assembled trunks minimise the required assembly times. The interchangeable jack modules enable an upgrade with respect to electrical performance and the connector face in record time.

40 GBit/s over copper – ready for the future with MegaLine® Connect100

Even when the international standardisation has not been finalised, 40 GBit/s applications with components of Category 7_A, meaning a Class F_A link can already be realised. The normative selection of the connector face for 40 GBit/s applications has not taken place yet, either. A modular system like MegaLine® Connect100 enables the preparation of both the currently

required performance and the upgrade to the standardised connector faces of the future.

Modular systems – cost-effective and environmentally friendly

In addition to time and cost savings, a modern cable system also fulfils environmental requirements. Even with an upgrade, the MegaLine® Connect100 installation cable can still be used with assembled cable connectors. The use of multi-purpose cables also reduces the energy and cost required for the cooling of the data center.

Cable sharing – highest packing density and flexibility

High packing densities and maximum utilisation of the installed data cable are often a central focus – with the help of the 4K7A module, up to 96 telephones can be connected on one rack

Unique performance.



Cat. 6_A



Cat. 7_A

Upward compatibility when it comes to performance...

prepared for **40 GBit/s**

...AND what the future holds.



MegaLine® Connect100 is the innovative connection concept for structured and universal IT cabling systems. The modular component design means that jack modules can also be exchanged at any time with minimal effort.

unit of height (24-port panel) or two PCs per port with a transmission rate of max. 100 MBit/s.



Outstanding quality – independently monitored by the GHMT Premium Verification Program

In the accredited GHMT test laboratory, product samples are continuously tested for adherence to European and international standards. For this random testing, GHMT chooses between production, stock or "blind ordering" from resellers.

The adherence to these high quality requirements is continuously verified by GHMT with a Premium Certificate and the Premium Test Report in accordance with EN 17025. In addition, the current status of the certification is publicised on the GHMT home page: www.ghmt.de.



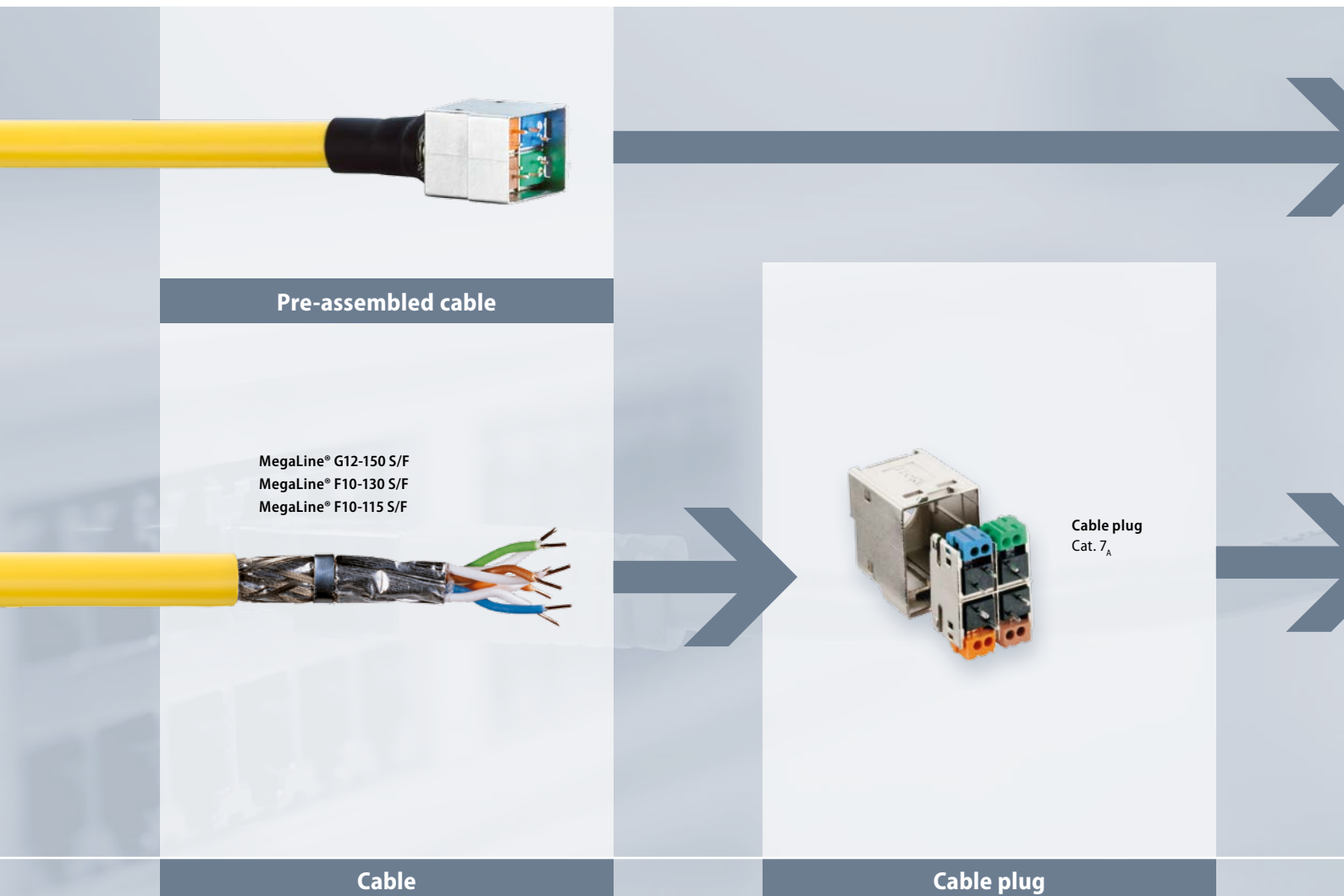
MegaLine® Connect100 copper technology

System components at a glance.

MegaLine® Connect100 is the innovative connection concept for building wiring systems. The modular design of the components enables both current and future requirements to be met.

The modular design of the available jack modules RJ45 Cat.6_A (IEC 60603-7-51) and 4K7A (IEC 61076-3-104) allows them to be replaced with relatively little effort. This makes it easy to decide on the right plug face.

MegaLine® Connect100 maintains the value of your investments – in the long term.



Quality and environmental management

LEONI – The Quality Connection



LEONI quality management

One of the most important factors in the success of LEONI was and remains the uniformly high quality of its products over the decades. We pay particularly close attention to this through precise planning, testing and documentation. Quality management for the wire and cable types produced by LEONI is certified worldwide in accordance with ISO 9001:2000.

LEONI environmental management

New environmental directives have been in force in the European Union (EU) since 2006. EU directive 2002/96/EG WEEE (Waste Electrical and Electronic Equipment) regulates the disposal of electrical and electronic equipment and components.

EU directive 2002/95/EG RoHS (Restriction of the Use of certain Hazardous Substances in electrical and electronic Equipment) restricts the use of certain hazardous substances in electrical and electronic equipment and components.



4K7A jack module
Cat. 7_A
white



RJ45 jack module
Cat. 6_A
aqua

Jack modules



MegaLine®
Connect100
wall outlets

Wall outlets



VarioLine® UF
underfloor systems

Underfloor systems



VarioLine® CP
consolidation point
housing



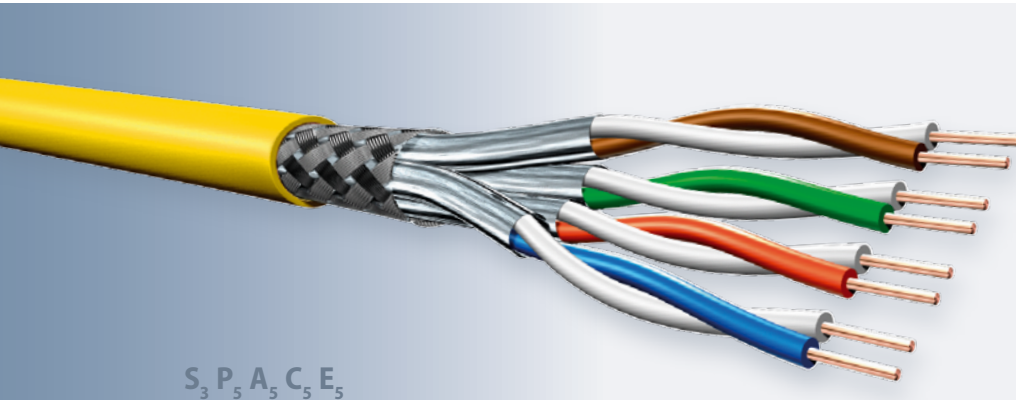
MegaLine®
Connect100
Patch field
19" / 1 RU

Housings

MegaLine® G12-150 S/F

Type KS-02YSCH 4x2xAWG 22/1 PIMF

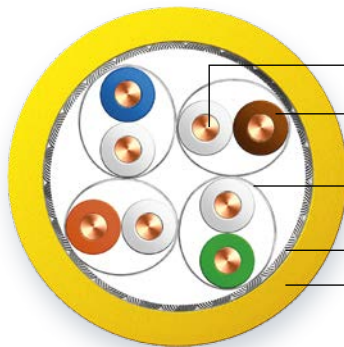
Category "8"

S₃ P₅ A₅ C₅ E₅

Advantages

- Bandwidth 1,500 MHz
- Excellent shielding characteristics
- VDE certified
- PVP-GHMT
- RoHS and REACH conformity

Construction 4 p



Conductor	Bare copper wire, AWG 22/1
Insulation Twisting element	Cellular-PE, core-diameter: nominal value 1.6 mm Pair
Individual shielding Twisting	Aluminium-bonded polyester foil, metal side outside (PiMF) 4 pairs
Overall shielding	Tinned copper braiding
Outer sheath	Halogen-free, flame-retardant compound

Fire behaviour

Flame retardancy	acc. to IEC 60332-3-24
Halogen free	acc. to IEC 60754-1/2
Smoke density	acc. to IEC 61034-1/2
Calorific value (approx.)	0.74 MJ/m

Performance

Better than Category 7 ("8") acc. to EN 50288 and IEC 61156, excellent NEXT, very low attenuation, excellent shielding characteristics (shielding of pairs and overall shielding), low skew, bandwidth 1,500 MHz

Applications

Installation cable for use in structured cabling systems acc. to ISO/IEC 11801 and EN 50173 (2nd edition) and for home cabling systems acc. to ISO/IEC 15018 and EN 50173-4.

Ideal for all applications from Classes D to F_A Multimedia (TV, video, data, voice) >10 GbE acc. to IEEE 802.3 an, cable sharing, VoIP, PoE.

Mechanical characteristics

Bending radius	during installation	8 x overall diameter (min.)
	after installation	4 x overall diameter (min.)
Tensile strength (max.)		130 N
Crush strength		1,000 N/100 mm
Impact strength (number of shocks)		10

Electromagnetic behaviour

Transfer impedance at 10 MHz (nominal value)	2 mΩ/m
Shielding attenuation up to 1,200 MHz (nominal value)	80 dB
Coupling attenuation up to 1,200 MHz (nominal value)	90 dB

Security (fire behaviour)

S	1	2	3	4	5
	IEC 60332-2-2	IEC 60332-1-2	IEC 60332-3-24	EFP Grade 1	EFP Grade 2

Performance (cabling class, bandwidth)

P	1	2	3	4	5
	> Class E	> Class E _A	> Class F	> Class F _A	> Class "G"
	> 250 MHz	> 500 MHz	> 600 MHz	> 1000 MHz	> 1200 MHz

Application (Ethernet, TV)

A	1	2	3	4	5
	> 100 MbE	> 1 GbE	Up to 10 GbE	> 10 GbE	> 10 GbE TV

Construction (conductor dimensions, tensile strength)

C	1	2	3	4	5
	AWG 27	AWG 26/25	AWG 24	AWG 23	AWG 22

EMC (coupling attenuation)

E	1	2	3	4	5
	> 40 dB	> 50 dB	> 60 dB	> 70 dB	> 80 dB

Electrical characteristics (HF) at 20 °C

Frequency MHz	Attenuation dB/100 m		NEXT dB		PSNEXT dB		ACR dB at 100 m		PSACR dB at 100 m		ELFEXT dB at 100 m		PSELFEXT dB at 100 m		RL dB	
	typ.	Cat. "8" max.*	typ.	Cat. "8" min.*	typ.	Cat. "8" min.*	typ.	Cat. "8" min.*	typ.	Cat. "8" min.*	typ.	Cat. "8" min.*	typ.	Cat. "8" min.*	typ.	Cat. "8" min.*
1	1.6	1.9	110	80	107	77	108	78	105	75	109	80	106	77	26.1	23
10	4.2	5.4	110	78	107	75	106	72	103	69	109	74	106	71	32.3	25
100	14.4	17.5	110	76	107	73	96	58	93	55	93	54	90	51	36.2	20.1
200	21.5	25.3	110	72	107	69	88	47	85	46	86	48	83	45	35.5	18
250	24.5	28.5	105	70	102	67	81	42	78	39	83	46	80	43	34.8	17.3
500	34	41.8	105	65.5	102	62.5	71	24	68	21	70	40	67	37	31.8	17.3
600	37.7	46.3	100	64.3	97	61.3	62	18	59	15	64	38.4	61	35.4	28.5	17.3
800	44.5	54.5	95	62.5	92	59.5	50	8	47	5	58	35.9	55	32.9	25.3	16.1
900	48.1	58.4	95	61.7	92	58.7	47	3	44	0	54	34.9	51	31.9	23.8	15.5
1,000	49	62	92	61	89	58	43	-1.1	40	-4	49	34	46	31	22.2	15.1
1,200	54.9	69	88	59.8	85	56.8	34	-9	31	-12	40	32.4	37	29.4	20.2	14.3
1,300	57	-	81	-	78	-	24	-	21	-	35	-	32	-	18.3	-
1,400	58.1	-	74	-	71	-	16	-	13	-	30	-	27	-	16.3	-
1,500	62	-	73	-	70	-	11	-	8	-	25	-	22	-	12.3	-

* EN 50288-4-1(2004)/IEC 61156-5(2002)/IEC 61156-7(2003)

Electrical characteristics (LF) at 20 °C

DC resistance	max.	57.1 Ω/km
Insulation resistance	min.	5 GΩ x km
Mutual capacitance	approx.	42 pF/m
Capacitive coupling (e)	approx.	1,000 pF/km
Signal velocity (c)	approx.	0.80
Propagation delay	approx.	420 ns/100 m
Skew at 100 MHz	approx.	3 ns/100 m
Characteristic impedance	at 100 MHz	100 ± 5 Ω
Testing voltage U _{eff}		1,000 V
Operating voltage	max.	125 V

Thermische Characteristics

For fixed installation	-20 °C up to +60 °C
For mobile operation	0 °C up to +50 °C

Chemical characteristics

Free from hazardous substances acc. to RoHS 2002/95/EC


Printing on outer sheath

LEONI MegaLine G12-150 S/F 4P H SPACE Code 35555
 "VDE approval mark" "production lot code" "meter marking"

Colour code

wh/bu, wh/or, wh/gn, wh/bn

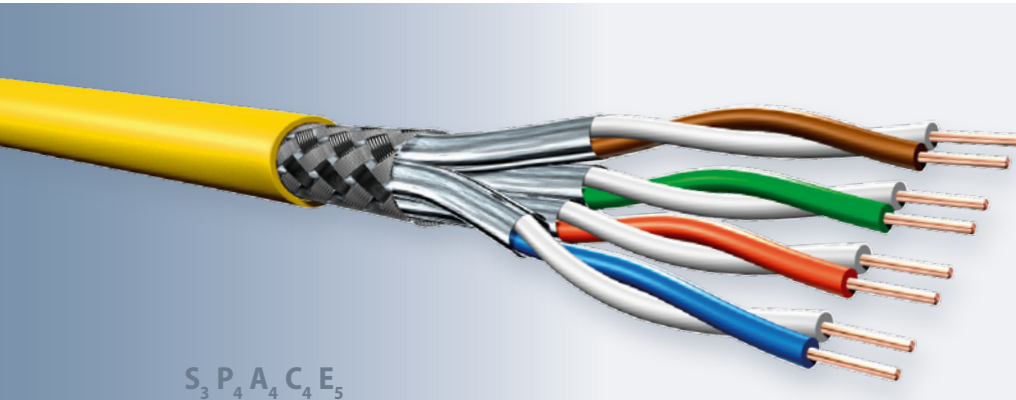
Certificates and approvals

Quality mark with production control: <VDE>
 Link performance: LEONI MegaLine® systems and further
 commercial connector systems Inspection certificates:
 acc. to DIN 55350-18-4.2.1/EN 10204
 Conforms to LVD (73/23/EEC): 

Dimensions	Outer diam. approx.	Weight approx.	Cu content	Colour of sheath	Order no.
	mm	kg/km	kg/km		
4 p	8.6	80	48	● Rape yellow RAL 1021	LKD 7KS8 0001 0000

Package: Drum 1,000 m

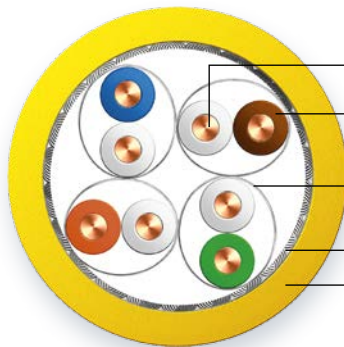
MegaLine® F10-115 S/F

Category 7_ATypes KS-02YSCH 4x2xAWG 23/1 PIMF
KS-02YSCH 2/4/6x(4x2xAWG 23/1 PIMF)S₃ P₄ A₄ C₄ E₅

Advantages

- Bandwidth 1,150 MHz
- Excellent shielding characteristics
- VDE certified
- PVP-GHMT
- RoHS and REACH conformity

Construction 4 p



Conductor	Bare copper wire, AWG 23/1
Insulation Twisting element	Cellular-PE, core-diameter: nominal value 1.4 mm Pair
Individual shielding Twisting	Aluminium-bonded polyester foil, metal side outside (PiMF) 4 pairs
Overall shielding	Tinned copper braiding
Outer sheath	Halogen-free, flame-retardant compound

Fire behaviour

Flame retardancy	acc. to IEC 60332-3-24
Halogen free	acc. to IEC 60754-1/2
Smoke density	acc. to IEC 61034-1/2
Calorific value (approx.)	0.60 MJ/m (Sx), 1.2 MJ/m (Dx), 4.24 MJ/m (4 p), 6.29 MJ/m (6 p)

Performance

Better than Category 7_A acc. to EN 50288 and IEC 61156, excellent NEXT, very low attenuation, excellent shielding characteristics (shielding of pairs and overall shielding), low skew, bandwidth 1,150 MHz

Applications

Installation cable for use in structured cabling systems acc. to ISO/IEC 11801 and EN 50173 (2nd edition).
Ideal for all applications from Classes D to F_A Multimedia (video, data, voice) >10 GbE acc. to IEEE 802.3 an, cable sharing, VoIP, PoE.

Mechanical characteristics

Bending radius	during installation	8 x overall diameter (min.)
	after installation	4 x overall diameter (min.)
Tensile strength (max.)		110 N (Sx), 220 N (Dx), 440 N (4 p), 650 N (6 p)
Crush strength		1,000 N/100 mm
Impact strength (number of shocks)		10

Electromagnetic behaviour

Transfer impedance at 10 MHz (nominal value)	5 mΩ/m
Shielding attenuation up to 1,000 MHz (nominal value)	70 dB
Coupling attenuation up to 1,000 MHz (nominal value)	85 dB

Security (fire behaviour)

S	1 IEC 60332-2-2	2 IEC 60332-1-2	3 IEC 60332-3-24	4 EFP Grade 1	5 EFP Grade 2
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Performance (cabling class, bandwidth)

P	1 > Class E > 250 MHz	2 > Class E _A > 500 MHz	3 > Class F > 600 MHz	4 > Class F _A > 1000 MHz	5 > Class "G" > 1200 MHz
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Application (Ethernet, TV)

A	1 > 100 MbE	2 > 1 GbE	3 Up to 10 GbE	4 > 10 GbE	5 > 10 GbE TV
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Construction (conductor dimensions, tensile strength)

C	1 AWG 27	2 AWG 26/25	3 AWG 24	4 AWG 23	5 AWG 22
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EMC (coupling attenuation)

E	1 > 40 dB	2 > 50 dB	3 > 60 dB	4 > 70 dB	5 > 80 dB
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Electrical characteristics (HF) at 20 °C

Frequency MHz	Attenuation dB/100 m		NEXT dB		PSNEXT dB		ACR dB at 100 m		PSACR dB at 100 m		ACRF dB at 100 m		PSACRF dB at 100 m		RL dB	
	typ.	Cat. 7 _A max.*	typ.	Cat. 7 _A min.*	typ.	Cat. 7 _A min.*	typ.	Cat. 7 _A min.*	typ.	Cat. 7 _A min.*	typ.	Cat. 7 _A min.*	typ.	Cat. 7 _A min.*	typ.	Cat. 7 _A min.*
1	1.9	2.1	105	78	102	75	104	75.9	101	72.9	98	78	95	75	26.6	20
10	4.8	5.8	105	78	102	75	101	72.2	98	69.2	103	75.3	100	72.3	35.3	25
100	16.3	18.5	105	75.4	102	72.4	89	56.9	86	53.9	89	55.3	86	52.3	39.6	20.1
200	24.3	26.5	105	70.9	102	67.9	81	44.4	78	41.4	82	49.3	79	46.3	36	18
250	27.5	29.7	105	69.4	102	66.4	78	39.7	75	36.7	79	47.3	76	44.3	34	17.3
500	37.9	42.8	100	64.9	97	61.9	62	22.2	59	19.2	67	41.3	64	38.3	29	17.3
600	42.4	47.1	95	63.7	92	60.7	53	16.6	50	13.6	60	39.7	57	36.7	25.4	17.3
700	47.2	51.1	95	62.7	92	59.7	48	11.6	45	8.6	57	38.4	54	35.4	24.6	16.6
800	50.3	54.9	93	61.9	90	58.9	43	6.9	40	3.9	53	37.2	50	34.2	23.5	16.1
900	54.6	58.5	90	61.1	87	58.1	35	2.6	32	-0.4	49	36.2	46	33.2	22.6	15.5
1,000	58	61.9	88	60.4	85	57.4	30	-1.5	27	-4.5	44	35.3	41	32.3	21.5	15.1
1,150	61.9	-	86	-	83	-	25	-	22	-	39	-	36	-	20.6	-

* EN 50288-4-1 (2004)/IEC 61156-5 (2002)

Configuring multiple single elements can result in attenuation values that are up to 3 % higher and frequency-selective reflections in the case of multi-types.

Electrical characteristics (LF) at 20 °C

DC resistance	max.	75 Ω/km
Insulation resistance	min.	5 GΩ x km
Mutual capacitance	approx.	42 pF/m
Capacitive coupling (e)	approx.	1,500 pF/km
Signal velocity (c)	approx.	0.80
Propagation delay	approx.	420 ns/100 m
Skew at 100 MHz	approx.	5 ns/100 m
Characteristic impedance	at 100 MHz	100 ± 5 Ω
Testing voltage U _{eff}		1,000 V
Operating voltage	max.	125 V

Thermal characteristics

For fixed installation	-20 °C up to +60 °C
For mobile operation	0 °C up to +50 °C

Chemical characteristics

Free from hazardous substances acc. to RoHS 2002/95/EC


Printing on outer sheath 4 p

LEONI MegaLine F10-115 S/F 4P H SPACE Code 34445
"VDE approval mark" "production lot code" "meter marking"

Colour code

wh/bu, wh/or, wh/gn, wh/bn

Certificates and approvals

Quality mark with production control: <VDE>
Link performance: LEONI MegaLine® systems
and further commercial connector systems
Inspection certificates: acc. to DIN 55350-18-4.2.1/EN 10204
Conforms to LVD (73/23/EEC): 

Dimensions	Outer diam. approx.	Weight approx.	Cu content	Colour of sheath	Order no.
	mm	kg/km	kg/km		
4 p	7.5	67	37	● Rape yellow RAL 1021	LKD 7KS7 0008 0000
2 x 4 p	7.5 x 15.2	136	74	● Rape yellow RAL 1021	LKD 7KS7 0009 0000
4 x 4 p	19.9	365	148	● Rape yellow RAL 1021	LKD 7KS7 0161 0000
6 x 4 p	23.6	514	222	● Rape yellow RAL 1021	LKD 7KS7 0186 0000

Package: Drum 1,000 m

MegaLine® Connect100 Cable plug

Category 7_A



MegaLine® Connect100 Cable plug Cat. 7_A

Description

Interface to the individually interchangeable MegaLine® Connect100 jack module. The cable plug enables generic transmission links far exceeding the requirements for Class F_A to be achieved. The mating face can also be identified later without any additional installation effort.

- various mating faces available
- easy and quick assembly

Structure

Material	PC; die-cast zinc, nickel-plated
Wiring	4 pairs via punchdown method
Strain relief	Via cable ties
Shielding	Large-surface 360° shield connection
Electrical values	Class F _A / category 7 _A

Electrical characteristics

Contact resistance	≤ 20 Ω	
Isolation resistance	≥ 500 MΩ	between contacts
Proof voltage	≥ 1000 V DC/AC	contact-contact
	≥ 1500 V DC/AC	contact-shielding
Max. current (50° C)	1.25 A	

Standards

- ISO/IEC 11801
- EN 50173-1
- IEEE 802.3at (PoE+)

Article	Cat.	Order no.
MegaLine® Connect100 Cable plug	Cat. 7 _A	LKD 9A90 2330 0000

MegaLine® Connect100 Trunk cable / CP cable

pre-assembled Trunk, MegaLine® Connect100 cable plug Cat. 7_A

With documented acceptance measurement on CD on request (page 14)



MegaLine® Connect100 Trunk cable Cat. 7_A

Description

The trunk cable is based on an G12-150 S/F data cable with a MegaLine® Connect100 cable plug Cat. 7_A at both ends. Thanks to the high quality of the components, the pre-assembled cable meets all permanent link requirements (**typ. > 5 m, Cat. 7_A modules**) from Class F_A according to ISO/IEC 11801 and EN 50173 for 10 Gigabit Ethernet.

Structure

Type	G12-150 S/F (4x2x AWG 22/1) (Order no.: LKD 7KS8 0001 0000)
Side A/side B	MegaLine® Connect100 cable plug Cat. 7 _A

Standards

- ISO/IEC 11801
- EN 50173-1
- IEEE 802.3at (PoE+)

Article	Length*	Order no.
MegaLine® Connect100 Trunk cable	10.0 m	LKD 9A06 1354 0000
	15.0 m	LKD 9A06 1287 0000
	20.0 m	LKD 9A06 1355 0000
	30.0 m	LKD 9A06 1356 0000
	40.0 m	LKD 9A06 1357 0000
	50.0 m	LKD 9A06 1358 0000

* Standard lengths. Further lengths and cable types (also assembled at one end) on request.



MegaLine® Connect100 CP cable Cat. 7_A

Description

The consolidation point cable is based on an F10-120 S/F flex data cable with a MegaLine® Connect100 cable plug at one end and a TERA™ plug at the other.

Thanks to the high-quality components in combination with a CP Link (>10 m), the pre-assembled cable meets the requirements of the Class F_A permanent link according to ISO/IEC 11801 Amendment 2 for 10 Gigabit Ethernet.

Structure

Type	F10-120 S/F flex (4x2x AWG26/7) (Order no.: LKD 7KS7 0003 0000)
Side A	MegaLine® Connect100 Cat. 7 _A cable plug
Side B	TERA™ plug

Standards

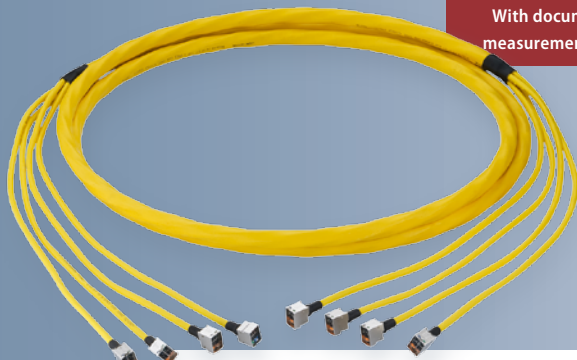
- ISO/IEC 11801
- EN 50173-1
- IEEE 802.3at (PoE+)

Article	Length*	Order no.
MegaLine® Connect100 CP cable	5.0 m	LKD 9A06 1390 0000
	10.0 m	LKD 9A06 1391 0000
	15.0 m	LKD 9A06 1291 0000
	20.0 m	LKD 9A06 1392 0000
	25.0 m	LKD 9A06 1393 0000

* Standard lengths. Further lengths on request.

MegaLine® Connect100 Trunk cable, 4-fold

Pre-assembled multi trunk, MegaLine® Connect100 Cable plug Cat. 7_A



With documented acceptance measurement on CD on request.

MegaLine® Connect100 Trunk cable, 4-fold Cat. 7_A

Description

The trunk cable is based on an 4-fold G12-150 S/F-data cable with a MegaLine® Connect100 cable plug Cat. 7_A at both ends. Thanks to the high quality of the components, the pre-assembled cable meets all permanent link requirements (**typ. >5 m, Cat. 7_A modules**) from Class F_A according to ISO/IEC 11801 and EN 50173 for 10 Gigabit Ethernet.

Cable

Type	G12-150 S/F (4x4x2x AWG 22/1) (Order no.: LKD 7KS8 0008 0000)
Side A/side B	MegaLine® Connect100 cable plug Cat. 7 _A
Whip length	0.4 m

Structure

Material	Full metal; die-cast zinc, nickel-plated
----------	--

Standards

- ISO/IEC 11801 ■ EN 50173-1 ■ IEEE 802.3at (PoE+)

Article	Length*	Order no.
MegaLine® Connect100 Trunk cable, 4-fold Cat. 7 _A	5.0 m	LKD 9A06 1387 0000
	7.5 m	LKD 9A06 1388 0000
	10.0 m	LKD 9A06 1389 0000
	15.0 m	LKD 9A06 1386 0000

* Standard lengths. Further lengths and cable types on request.

For every trunk cable:

Test report



Also order

The measurement carried out prior to delivery can be documented on CD as a test report and supplied on request.

Measurements for trunks

- Permanent link Class F_A (with 4K7A jack module)
- Permanent link Class E_A (with RJ45 jack module)
- Channel Class F_A (with 4K7A jack module)
- Channel Class E_A (with RJ45 jack module)

Measurements for CP cables

- Permanent link Class F_A (with 4K7A jack module)
- Permanent link Class E_A (with RJ45 jack module)

Measurement	Acceptance measurement	Order no.:
for trunks	Permanent link Class F _A (with 4K7A jack module)	LKD 9A90 4030 0000
	Permanent link Class E _A (with RJ45 jack module)	LKD 9A90 4031 0000
	Channel Class F _A (with 4K7A jack module)	LKD 9A90 4032 0000
	Channel Class E _A (with RJ45 jack module)	LKD 9A90 4033 0000
for CP cable	Permanent link Class F _A (mit 4K7A jack module)	LKD 9A90 4034 0000
	Permanent link Class E _A (mit RJ45 jack module)	LKD 9A90 4035 0000

MegaLine® Connect100 jack modules

Category 7_A / 6_A



MegaLine® Connect100
jack module 4K7A

Description

For transmitting analogue and digital voice, image and data signals. The performance corresponds to Cat. 7_A up to 1000 MHz.

Structure

Material	Full metal; die-cast zinc, nickel-plated
Built-in dimension	in accordance with the installation dimension of the RJ45 jack module and thus interchangeable
Wiring	4 pairs via cable plug
Connection	4K7A jack

Standards

- ISO/IEC 11801
- EN 50173-1
- EN 61076-3-104
- IEEE 802.3at (PoE+)

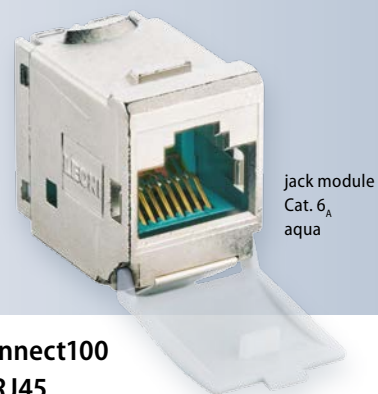
Accessories

see page 27

Coloured dust protective flaps for the coding of the modules



Article	Category	Order no.
MegaLine® Connect100 jack module 4K7A – white	Cat. 7 _A	LKD 9A90 2030 0000



MegaLine® Connect100
jack module RJ45

Description

For transmitting analogue and digital voice, image and data signals. The performance corresponds to Cat. 6_A up to 500 MHz.

Structure

Material	Full metal; die-cast zinc, nickel-plated
Built-in dimension	in accordance with the installation dimension of the 4K7A jack module and thus interchangeable
Wiring	4 pairs via cable plug
Connection	RJ45 jack

Standards

- ISO/IEC 11801
- EN 50173-1
- IEC 60603-7-51
- IEEE 802.3at (PoE+)

Accessories

see page 27

Coloured dust protective flaps for the coding of the modules



Article	Category	Order no.
MegaLine® Connect100 jack module RJ45 – aqua	Cat. 6 _A	LKD 9A90 2010 0000

MegaLine® Connect100 Wall outlets

for MegaLine® Connect100 jack modules



Fig. 1
Wall outlet 50 x 50 / single

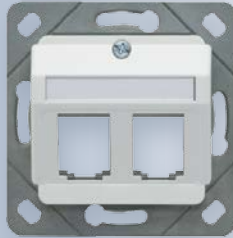


Fig. 2
Wall outlet 50 x 50 / dual

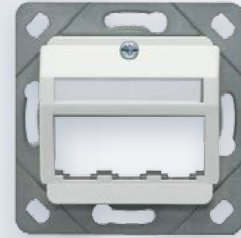


Fig. 3
Wall outlet 50 x 50 / triple

MegaLine® Connect100 Wall outlets 50 x 50

Description

Wall outlets for installation in commercially available 50 x 50 mm cover frames for equipping with MegaLine® Connect100 jack modules.

Housing

Housing body	Full metal; die-cast zinc, nickel-plated
Colours	Pure white RAL 9010 or Oyster white RAL 1013
Labelling	Via labelling field

Installation dimensions

50 mm x 50 mm (H x W), downward inclination of 30°

Accessories (optional)

MegaLine Connect 100 cover frame, single and dual

- 40 mm surface-mounted housing incl. 1-fold flush-mounted cover frame
- Spacer frame for 1-fold surface-mounted housing, 10 mm

Fig.	Description	Colour	Order no.:	Colour	Order no.:
1	MegaLine® Connect100 Wall outlet 50 x 50 / single (1 piece)	● oyster white RAL 1013	LKD 9A46 0104 0000	○ pure white RAL 9010	LKD 9A46 0107 0000
2	MegaLine® Connect100 Wall outlet 50 x 50 / dual (1 piece)		LKD 9A46 0105 0000		LKD 9A46 0108 0000
3	MegaLine® Connect100 Wall outlet 50 x 50 / triple (1 piece)		LKD 9A46 0106 0000		LKD 9A46 0109 0000
-	1-fold flush-mounted cover frame (1 piece)	● oyster white RAL 1013	LKD 9A41 0002 0000	○ pure white RAL 9010	LKD 9A41 0003 0000
-	2-fold flush-mounted cover frame (1 piece)		LKD 9A41 0004 0000		LKD 9A41 0005 0000
-	40 mm surface-mounted housing incl. 1-fold flush-mounted cover frame (1 piece)		LKD 9A46 0087 0000		LKD 9A46 0086 0000
-	Spacer frame for 1-fold 10 mm surface-mounted housing (1 piece)		LKD 9A46 0089 0000		LKD 9A46 0088 0000

MegaLine® Connect100 Patch field 19"

telephony / unequipped



MegaLine® Connect100 Patch field 19" telephony

Description

Patch field for transmitting analogue and digital telephone signals. With integrated cable management for easy and safe installation.

Structure

Housing	sheet steel
Colour	light grey, RAL 7035
Marking	1–25
Holder	25 x 8 IDC contacts for max. 100 DA (AWG24 – AWG23)
Strain relief	via cable clips
Cable entry	over the entire width of the cable management rail
Structure	25 ports (TERA 4P)

Dimensions

19" / 1 RU
100 mm mounting depth

Article	Order no.
MegaLine® Connect100 Patch field telephony (1 piece)	LKD 9A62 0002 0000



MegaLine® Connect100 Patch field 19" 24 port

Description

The patch panel can be equipped with up to 24 MegaLine® Connect100 jack modules.

Structure

Housing	sheet steel
Colour	light grey, RAL 7035 jet black RAL 9005
Marking	1–24
Holder	up to 24 jack modules: 4K7A / RJ45
Strain relief	via cable clips
Cable entry	over the entire width of the cable management rail
Structure	24 ports

Dimensions

19" / 1 RU
100 mm mounting depth

Article	Colour	Order no.
MegaLine® Connect100 Patch field 19" / 24 port (1 piece)	● light grey RAL 7035	LKD 9A90 2201 0000
	● jet black RAL 9005	LKD 9A90 2202 0000

VarioLine® Consolidation point housing

2-port up to 24-port, with DIN rail clip

Example:
6-port consolidation
point housing



Example:
6-port module panel



Example:
6-port protective flap/
strip brush



VarioLine® CPX-B consolidation point housing
VarioLine® CPLX-B module panel
VarioLine® CPX-B protective flap/strip brush

Description

For installation in raised floors or suspended ceilings. CP housing with strain relief using cable ties (not included in the scope of delivery). Can be equipped with MegaLine® Connect100 jack modules.

A protective flap with strip brush can optionally be used on the patch side.

- modular (interchangeable module panel)
- robust housing made from galvanised steel panel
- RoHS-compliant

Mounting

- The CP housing is attached using the DIN rail mounting technique (a suitable clip is included)
- The housing can alternatively be attached using screws or nailed dowels (not included in the scope of delivery)
- The module panel is attached by snapping it into the housing
- The modules are attached by snapping them into the module panel



Article	Dimensions approx.	Order no.:
VarioLine® CP2-B consolidation point housing	34.5 x 49 x 100 mm (HxWxD)	LKD 9ZE6 1071 0000
VarioLine® CPL2-B 2-port module panel	32 x 49 mm (HxW)	LKD 9ZE6 1016 0000
VarioLine® CP2-B 2-port protective flap/strip brush	34.5 x 49 x 51 mm (HxWxD)	LKD 9ZE6 1072 0000
VarioLine® CP4-B consolidation point housing	34.5 x 84 x 100 mm (HxWxD)	LKD 9ZE6 1009 0000
VarioLine® CPL4-B 4-port module panel	32 x 84 mm (HxW)	LKD 9ZE6 1015 0000
VarioLine® CP4-B 4-port protective flap/strip brush	34.5 x 84 x 51 mm (HxWxD)	LKD 9ZE6 1070 0000
VarioLine® CP6-B consolidation point housing	34.5 x 121 x 100 mm (HxWxD)	LKD 9ZE6 1007 0000
VarioLine® CPL6-B 6-port module panel	32 x 121 mm (HxW)	LKD 9ZE6 1014 0000
VarioLine® CP6-B 6-port protective flap/strip brush	34.5 x 121 x 51 mm (HxWxD)	LKD 9ZE6 1008 0000
VarioLine® CP12-B consolidation point housing	34.5 x 233 x 100 mm (HxWxD)	LKD 9ZE6 1074 0000
VarioLine® CPL12-B 12-port module panel	32 x 233 mm (HxW)	LKD 9ZE6 1017 0000
VarioLine® CP12-B 12-port protective flap/strip brush	34.5 x 233 x 51 mm (HxWxD)	LKD 9ZE6 1073 0000
VarioLine® CP24-B consolidation point housing	34.5 x 455 x 100 mm (HxWxD)	LKD 9ZE6 1075 0000
VarioLine® CPL24-B 24-port module panel	32 x 455 mm (HxW)	LKD 9ZE6 1018 0000
VarioLine® CP24-B 24-port protective flap/strip brush	34.5 x 455 x 51 mm (HxWxD)	LKD 9ZE6 1076 0000

MegaLine® Connect100 DIN rail housing

Dual, with DIN rail clip



MegaLine® Connect100 DIN rail housing, dual

Description

With DIN rail clip for holding up to 2 MegaLine® Connect100-jack modules.

The housing is mounted by snapping it onto the existing DIN rails. The metal housing is particularly suitable for use in industrial environments.

Structure

Material	Steel panel, powder-coated
Colour	Light grey, RAL 7035
Capacity	For up to 2 MegaLine® Connect100 jack modules

Dimensions

85 mm x 35 mm x 95 mm (H x W x D)

Article	Order no.
MegaLine® Connect100 DIN rail housing, dual (1 piece)	LKD 9A46 0097 0000

VarioLine® Mounting plates for underfloor systems

for installing adapter panels



Fig. 1
Mounting plate VarioLine® UF TA2
for Ackermann GES 2, 4, 6, R4, R7

Fig. 2
Mounting plate VarioLine® UF TA3
for Ackermann GES 9, R7, R9



Fig. 1
Mounting plate VarioLine® UF TEK3
for Electraplan KDR series (old type)

Fig. 2
Mounting plate VarioLine® UF TEV3
for Electraplan VQ12, VR12, VR10

VarioLine® UF TA2 / UF TA3

Description

For mounting up to 2 or 3 adapter plates.

- For installation in Ackermann device inserts

Compatibility

UF TA2	Ackermann GES 2, 4, 6, R4, R7
UF TA3	Ackermann GES 9, R7, R9

Housing

Mounting plate	Sheet steel, powder-coated, 1.5 mm
Colour	Jet black, RAL 9005

Accessories (optional)

Cable retainer for VarioLine® UF K1/VarioLine® UF K2 Adjustable cable strain relief for up to 9 individual cables

Fig.	Article	Order no.:
1	VarioLine® UF TA2 (1 piece)	LKD 9ZE6 0001 0000
2	VarioLine® UF TA3 (1 piece)	LKD 9ZE6 0002 0000

VarioLine® UF TEK3 / UF TEV3

Description

For mounting up to 2 or 3 adapter plates.

- For installation in Electraplan device inserts

Compatibility

UF TEK3	Electraplan KDR-Serie (old type)
UF TEV3	Electraplan VQ12, VR12, VR10

Housing

Mounting plate	Sheet steel, powder-coated, 1.5 mm
Colour	Jet black, RAL 9005

Accessories (optional)

Cable retainer VarioLine® UF K1/VarioLine® UF K2 adjustable cable strain relief for up to 9 individual cables

Fig.	Article	Order no.:
1	VarioLine® UF TEK3 (1 piece)	LKD 9ZE6 0008 0000
2	VarioLine® UF TEV3 (1 piece)	LKD 9ZE6 0042 0000

VarioLine® Adapter panels and dummy cover for underfloor systems

for installation in VarioLine® UF mounting plates

Adapter panel
VarioLine® UF AP3
MC100



VarioLine® UF AP3 MC100

Description

Adapter panel for installation in VarioLine® UF mounting plates.
For installing up to 3 modules.

- with self-adhesive labels for personal labelling
- 2 nut-and-washer assemblies included

Compatibility

For up to 3 MegaLine® Connect100 jack modules

Structure

Adapter	Sheet steel, powder-coated, 1.5 mm
Colour	Jet black, RAL 9005

Dummy cover
UF mounting plates



VarioLine® UF BP-T

Description

Blind cover for closing off an unused opening in the VarioLine® UF mounting plate.

- 2 nut-and-washer assemblies included

Compatibility

For VarioLine® UF carriers

Structure

Blind cover	Sheet steel, powder-coated, 1.5 mm
Colour	Jet black, RAL 9005

Article	Order no.:
VarioLine® UF AP3 MC100 (1 piece)	LKD 9A46 0118 0000

Article	Order no.:
VarioLine® UF BP-T (1 piece)	LKD 9ZE6 0005 0000

MegaLine® Patch cord TERA™

Shielded, with moulded boots



MegaLine® Patch TERA

Description

The patch cord and connection cable are equipped with TERA™ or RJ45 plugs as required (the RJ45 plug has a moulded boot).

The appropriate cable type for the application is used for assembly. The cable type F10-120 S/F flex used is designed for a bandwidth of up to 1,000 Mhz with 4-pair assignment.

Applications

- 10BASE-T/100BASE-T2
- Token ring
- ISDN
- Telephone line
- Telephone line
- User-defined
- 2-pair connecting line
- 4-pair connecting line

Wiring





- TERA™ 2-pair to RJ45
- TERA™ 2-pair to RJ45
- TERA™ 2-pair to RJ45
- TERA™ 1-pair to RJ45
- TERA™ 1-pair to RJ11
- TERA™ 4-pair to RJ45
- TERA™ to TERA™
- TERA™ to TERA™

Applications	10BASE-T/100BASE-T2	Token ring	ISDN	Telephone line
Patch cord				
Wiring	TERA™ 2-pair to RJ45	TERA™ 2-pair to RJ45	TERA™ 2-pair to RJ45	TERA™ 1-pair to RJ45

Length	Article	Order no.			Article	Order no.
m		10BASE-T/100BASE-T2	Token ring	ISDN		Telephone line
1.0	MegaLine® Patch TERA™ 2-pair to RJ45 (F10-120 S/F flex)	LKD 9A04 0000 0000	LKD 9A04 0006 0000	LKD 9A04 0012 0000	MegaLine® Patch TERA™ 1-pair to RJ45 (326 flex)	LKD 9A04 0022 0000
2.0		LKD 9A04 0001 0000	LKD 9A04 0007 0000	LKD 9A04 0013 0000		LKD 9A04 0023 0000
3.0		LKD 9A04 0002 0000	LKD 9A04 0008 0000	LKD 9A04 0014 0000		LKD 9A04 0024 0000
5.0		LKD 9A04 0003 0000	LKD 9A04 0009 0000	LKD 9A04 0015 0000		LKD 9A04 0025 0000

TERA™ is a registered trademark of the Siemon Company



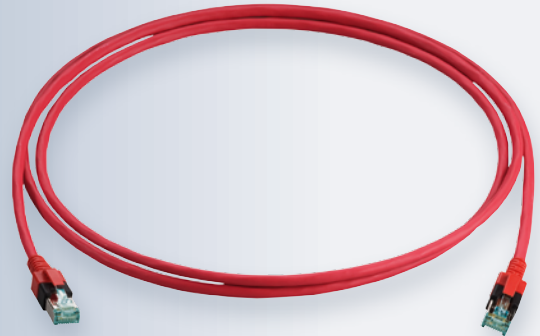
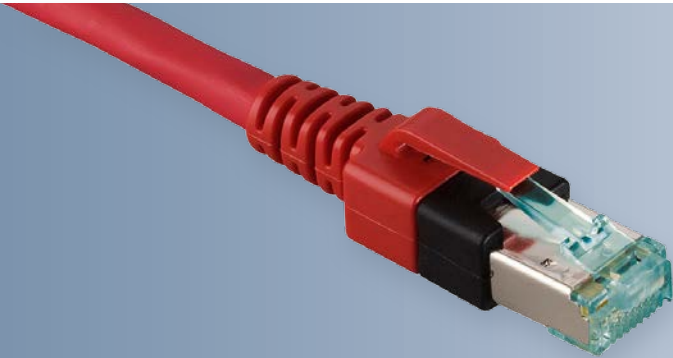
Applications	Telephone line	Any	2-pair connecting line	4-pair connecting line
Patch cord				
Wiring	TERA™ 1-pair to RJ11	TERA™ 4-pair to RJ45	TERA™ to TERA™	TERA™ to TERA™

Length	Article	Order no.	Article		Article	Order no.	
m		Telephone line		User-defined		2-pair connecting line	4-pair connecting line
1.0	MegaLine® Patch TERA™ 1-pair to RJ11 (326 flex)	LKD 9A04 0017 0000	MegaLine® Patch TERA™ 4-pair to RJ45 (F10-120 S/F flex)	LKD 9A04 0039 0000	MegaLine® Patch TERA™ to TERA™ (F10-120 S/F flex)	LKD 9A04 0026 0000	LKD 9A04 0032 0000
2.0		LKD 9A04 0018 0000		LKD 9A04 0040 0000		LKD 9A04 0027 0000	LKD 9A04 0033 0000
3.0		LKD 9A04 0019 0000		LKD 9A04 0041 0000		LKD 9A04 0028 0000	LKD 9A04 0034 0000
5.0		LKD 9A04 0045 0000		LKD 9A04 0042 0000		LKD 9A04 0029 0000	LKD 9A04 0035 0000

TERA™ is a registered trademark of the Siemon Company

MegaLine® Patch cord RJ45/RJ45 Cat. 6_A/500 MHz

Shielded, Cat. 6_A, Class E_A, with coloured moulded boots



MegaLine® Patch 6AEA-RJ45

Description

The cable type used is suitable for transmission rates of up to 500 MHz. The pair shielding and the high-coverage copper braiding as overall shielding ensure excellent NEXT and return loss values.

The patch cords and connection cables are equipped with a shielded RJ45 plug and moulded boots at both ends.

Applications

For use in structured cabling systems according to ISO/IEC 11801 and EN 50173-x. Ideal for all applications up to Class E_A (video, data, telephony) >10 GbE according to IEEE 802.3 an, cable sharing, VoIP, PoE.

Characteristics / Structure

EMC	Combined shielding (PiMf + braiding)
RJ45 plug	EN 60603-7
Electrical values	Cat. 6 _A , Class E _A
Assignment	1:1
Standards	ISO/IEC 11801/ EN50173

Fire behaviour

Smoke density	IEC 61034
Halogen free	IEC 60754-2
Flame retardance	IEC 60332-1-2

Accessories

Description see page 26

MegaLine® Patch RJ45 colour coding clip

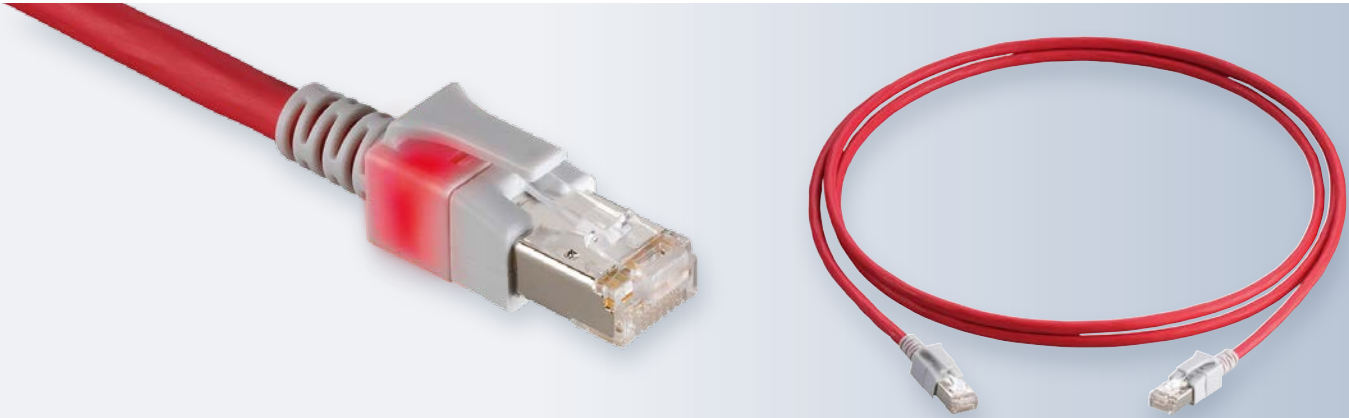
In different colours for visual coding of the patch cords

Length m	Article	Order no.				
		Grey (LSOH)	Blue (LSOH)	Green (LSOH)	Yellow (LSOH)	Red (LSOH)
0.5	MegaLine® Patch 6AEA-RJ45	LKD 9A02 3020 0000	LKD 9A02 3030 0000	LKD 9A02 3040 0000	LKD 9A02 3050 0000	LKD 9A02 3060 0000
1.0		LKD 9A02 3021 0000	LKD 9A02 3031 0000	LKD 9A02 3041 0000	LKD 9A02 3051 0000	LKD 9A02 3061 0000
1.5		LKD 9A02 3022 0000	LKD 9A02 3032 0000	LKD 9A02 3042 0000	LKD 9A02 3052 0000	LKD 9A02 3062 0000
2.0		LKD 9A02 3023 0000	LKD 9A02 3033 0000	LKD 9A02 3043 0000	LKD 9A02 3053 0000	LKD 9A02 3063 0000
2.5		LKD 9A02 3024 0000	LKD 9A02 3034 0000	LKD 9A02 3044 0000	LKD 9A02 3054 0000	LKD 9A02 3064 0000
3.0		LKD 9A02 3025 0000	LKD 9A02 3035 0000	LKD 9A02 3045 0000	LKD 9A02 3055 0000	LKD 9A02 3065 0000
4.0		LKD 9A02 3026 0000	LKD 9A02 3036 0000	LKD 9A02 3046 0000	LKD 9A02 3056 0000	LKD 9A02 3066 0000
5.0		LKD 9A02 3027 0000	LKD 9A02 3037 0000	LKD 9A02 3047 0000	LKD 9A02 3057 0000	LKD 9A02 3067 0000
7.5		LKD 9A02 3028 0000	LKD 9A02 3038 0000	LKD 9A02 3048 0000	LKD 9A02 3058 0000	LKD 9A02 3068 0000
10.0		LKD 9A02 3029 0000	LKD 9A02 3039 0000	LKD 9A02 3049 0000	LKD 9A02 3059 0000	LKD 9A02 3069 0000

Other lengths on request

MegaLine® LED patch cord RJ45/RJ45 Cat. 6/500 MHz

Shielded, Cat. 6, Class E_A, with LED light signal in the plug



MegaLine® Patch LED 6EA-RJ45

Description

Specially for use in offices, industrial plants and DataCenters. The plug contains one red LED. The light signal is activated using a detector that is placed on a contact pair on the rear of the plug.

Three different signal types can be selected by repeatedly pressing the detector button:

→ **continuous light/slow flashing/fast flashing**

The other end of the LED patch cord then responds with the identical light signal and in this way can be clearly identified.

Applications

For use in structured cabling systems according to ISO/IEC 11801 and EN 50173-x. Ideal for all applications up to Class E_A (video, data, telephony) >10 GbE according to IEEE 802.3 an, cable sharing, VoIP, PoE.

Characteristics / Structure

EMC	Combined shielding (PiMf + braiding)
RJ45 plug	EN 60603-7
Electrical values	Cat. 6, Class E _A
Assignment	1:1
Standards	ISO/IEC 11801/ EN50173

Fire behaviour

Smoke density	IEC 61034
Halogen free	IEC 60754-2
Flame retardance	IEC 60332-1-2

Accessories

Description see page 26

MegaLine® Patch LED colour clip

In different colours for visual coding of the patch cords

Length m	Article	Order no.					
		Grey (LSOH)	Blue (LSOH)	Aqua (LSOH)	Yellow (LSOH)	Red (LSOH)	Red (LSOH) Crossover
0.5	MegaLine® Patch LED 6EA-RJ45	LKD 9A09 0100 0000	LKD 9A09 0110 0000	LKD 9A09 0140 0000	LKD 9A09 0130 0000	LKD 9A09 0120 0000	LKD 9A09 0160 0000
1.0		LKD 9A09 0101 0000	LKD 9A09 0111 0000	LKD 9A09 0141 0000	LKD 9A09 0131 0000	LKD 9A09 0121 0000	LKD 9A09 0161 0000
1.5		LKD 9A09 0102 0000	LKD 9A09 0112 0000	LKD 9A09 0142 0000	LKD 9A09 0132 0000	LKD 9A09 0122 0000	LKD 9A09 0162 0000
2.0		LKD 9A09 0103 0000	LKD 9A09 0113 0000	LKD 9A09 0143 0000	LKD 9A09 0133 0000	LKD 9A09 0123 0000	LKD 9A09 0163 0000
2.5		LKD 9A09 0104 0000	LKD 9A09 0114 0000	LKD 9A09 0144 0000	LKD 9A09 0134 0000	LKD 9A09 0124 0000	LKD 9A09 0164 0000
3.0		LKD 9A09 0105 0000	LKD 9A09 0115 0000	LKD 9A09 0145 0000	LKD 9A09 0135 0000	LKD 9A09 0125 0000	LKD 9A09 0165 0000
4.0		LKD 9A09 0106 0000	LKD 9A09 0116 0000	LKD 9A09 0146 0000	LKD 9A09 0136 0000	LKD 9A09 0126 0000	LKD 9A09 0166 0000
5.0		LKD 9A09 0107 0000	LKD 9A09 0117 0000	LKD 9A09 0147 0000	LKD 9A09 0137 0000	LKD 9A09 0127 0000	LKD 9A09 0167 0000
7.5		LKD 9A09 0108 0000	LKD 9A09 0118 0000	LKD 9A09 0148 0000	LKD 9A09 0138 0000	LKD 9A09 0128 0000	LKD 9A09 0168 0000
10.0		LKD 9A09 0109 0000	LKD 9A09 0119 0000	LKD 9A09 0149 0000	LKD 9A09 0139 0000	LKD 9A09 0129 0000	LKD 9A09 0169 0000

Other lengths on request

MegaLine® Patch accessories

for LED patch cords



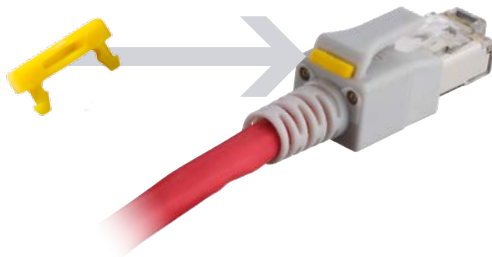
MegaLine® Patch LED colour clip
MegaLine® Patch LED detector

Accessories

Colour clip:

For visual coding of the LED patch cords.

Can be installed by simply snapping into the RJ45 plugs.



Detector:

For feeding the light signal for identifying the patch cord.

Batteries included:

4 x LR41

Article	Colour	Order no.
MegaLine® Patch LED colour clip (100 pieces)	● Rape yellow RAL 1021	LKD 9A09 0180 0000
	● Flame red RAL 3000	LKD 9A09 0181 0000
	● Sky blue RAL 5015	LKD 9A09 0182 0000
	● Turquoise green RAL 6016	LKD 9A09 0183 0000
MegaLine® Patch LED detector (1 piece)		LKD 9A09 0190 0000

MegaLine® Patch accessories

for RJ45 patch cords



MegaLine® Patch RJ45 colour coding clip

Accessories

Colour coding clip for visual coding of the patch cords.

Can be installed by simply pushing on.

Compatibility

MegaLine® Patch 5D-RJ45

MegaLine® Patch 6E-RJ45U

MegaLine® Patch 6EA-RJ45

MegaLine® Patch 6AEA-RJ45

MegaLine® Patch Industry 6EA-RJ45

Article	Colour	Order no.
MegaLine® Patch RJ45 colour coding clip (100 pieces)	● Light grey RAL 7035	LKD 9AW1 6031 0000
	● Turquoise green RAL 6016	LKD 9AW1 6032 0000
	● Sky blue RAL 5015	LKD 9AW1 6033 0000
	● Flame red RAL 3000	LKD 9AW1 6034 0000
	● Pastel orange RAL 2003	LKD 9AW1 6035 0000
	● Rape yellow RAL 1021	LKD 9AW1 6036 0000
	● Jet black RAL 9005	LKD 9AW1 6037 0000

MegaLine® Accessories & cable assembly tools



MegaLine® Connect100 Dust protective flap

Description

- for colour coding
- the transparent design also enables the identification of the connector face while closed

Article	Colour	Order no.
MegaLine® Connect100 dust protective flap (50 pieces)	● Red	LKD 9A90 4002 0000
	● Green	LKD 9A90 4003 0000
	● Blue	LKD 9A90 4004 0000
	● Yellow	LKD 9A90 4005 0000
	○ White	LKD 9A90 4006 0000



MegaLine® Connect100 Assembly aid

Description

- For the easy adjustment and cutting to length of the conductors assembling the MegaLine® Connect100 cable plugs

Article	Order no.:
MegaLine® Connect100 Assembly aid (10 pieces)	LKD 9A90 4001 0000



MegaLine® Connect100 Measurement adapter

Description

- for direct Class F_A acceptance measurement on the cable connector
- the fitting of a 4K7A jack module is not necessary

Article	Order no.:
MegaLine® Connect100 Measurement adapter (2 pieces)	LKD 9A90 4020 0000



MegaLine® Edge free cutter

Description

- for easy and safe shortening of wire pairs

Article	Order no.:
MegaLine® Edge free cutter (1 piece)	LKD 9ZE3 0012 0000



MegaLine® Connect100 Combination pliers

Description

- For the easy assembling of the MegaLine® Connect100 jack modules with the MegaLine® Connect100 cable plug and the wire manager

Article	Order no.:
MegaLine® Connect100 Combination pliers (1 piece)	LKD 9A90 4007 0000



MegaLine® Stripper

Description

- fast and easy sheath removal of copper data cable (esp. S/FTP)
- for the removal of the outer sheath as well as the PiMF foil

Article	Order no.:
MegaLine® Stripper (1 piece)	LKD 9AW1 6043 0000

Find out more:

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