

BEST CONTACTS FOR YOUR SUCCESS



Telegärtner

NETWORKING COMPONENTS

COAXIAL CONNECTORS

CABLE ASSEMBLIES

PRECISION TURNED PARTS

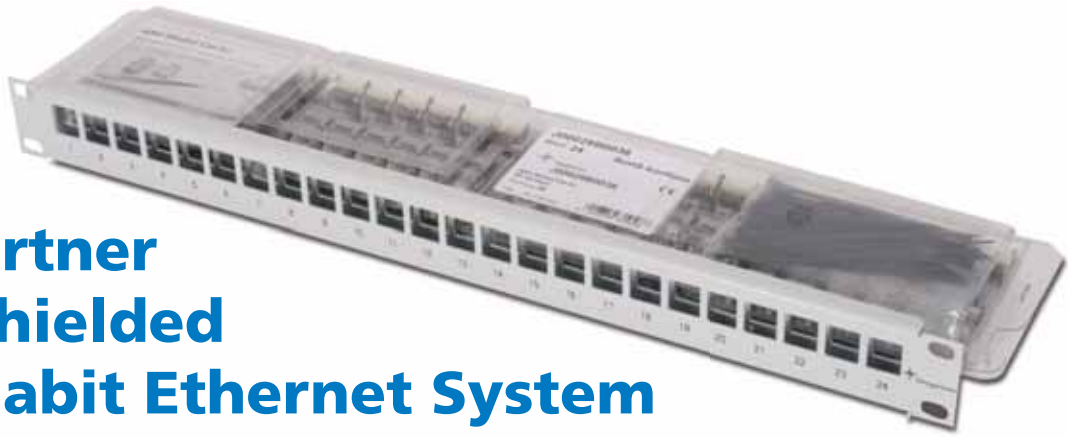
PLASTIC INJECTION MOULD PARTS

INDUSTRIAL ELECTRONICS

Detail is the key to success.

**10 Gigabit Ethernet
Networking Solution**

Telegärtner AMJ Shielded 10 Gigabit Ethernet System



- 10 Gigabit Ethernet Application Assurance.
- Third-Party Tested Category 6A Channel Compliant.
- Maximum Bandwidth Beyond 500MHz.
- ANEXT Component Compliant.
- PoE and PoE+ Ready.



The Telegärtner AMJ 10 Gigabit Ethernet System is a tuned system of structured cabling components designed and center balanced to work together delivering true standards compliant 10 Gigabit Ethernet/Category 6A channel transmission for the full 100 meters. Telegärtner AMJ 10 Gigabit Ethernet System provides headroom beyond 500MHz, and adds protection against ANEXT and EMI.

Telegärtner AMJ 10 Gigabit Ethernet S/FTP cable is round with a .290 nominal O.D. These features allow increased pathways inside standard conduit, raceways and cable organizers. The round construction and smaller O.D. provides an advantage over Category 6A STP when retrofitting or pulling new runs.

Telegärtner AMJ 10 Gigabit Ethernet S/FTP System has been third party verified for Category 6A channel requirements and extensively tested to support existing PoE applications, and exceeds proposed PoE+

FEATURES

- Full 100 meter Category 6A 10GbE channel performance.

Jack

- Inversely oriented, right angled IDC contacts.
- Tool-less jack termination.

Patch Cord

- 2-piece conductor sled design controls NEXT.

Cable

- 100% performance tested.
- Tuned to deliver maximum 10GbE performance.
- Constructed with polyester backed aluminum foil shield protecting from ANEXT and EMI.

Patch Panel

- 24-Port high-density, 1 rack unit.
- Integral cable management and strain relief shelf.

STANDARDS/VERIFICATIONS

- ANSI/TIA/EIA-568-B.2-1
- TIA/EIA-568-B.2-10 Draft 5.0 Category 6A. (Class E_A)
- IEEE 802.3af DTE Power over MDI verified.
- IEEE 802.3an 10GBASE-T Ethernet.
- ISO/IEC 11801 (2nd edition) and EN50173-1.
- EC 60603-7-5 specifications for Category 6 and Category 5e screened connecting hardware.
- Original Tests see on www.3ptest.dk

3P THIRD PARTY TESTING



APPLICATIONS SUPPORTED

◆ Government

- Machinery
- RF Equipment
- High Power Areas

◆ Medical-Health Care

- E X-Ray
- MRI
- Monitoring Equipment
- High Power Areas

◆ Entertainment-Gaming Industry

- Theme Parks
- High Power Areas

◆ Higher Education

- Laboratories
- Engineering
- Science
- High Power Areas
- Entertainment Facilities

◆ Financial

- Multiple Video Feeds
- Electronic Security

◆ Industrial-Manufacturing

- Processing

AMJ Modules Cat.6+ Shielded Modular System

Modules	Order no.	Description	PU*	Colour
	J00029K0036	AMJ Module K Cat.6+, suitable for RJ11/12 plugs, tool-free connectivity	2	
	J00029L0036	AMJ Module K Cat.6+, Blister-pack 24 pcs., suitable for RJ11/12 plugs, tool-free connectivity	24	
	B00001A0016W	Retrofit dust cover flap for AMJ Module, w/o Module	1	black

19" Patch Panel	Order no.	Description	PU*	Colour
	J02023K0027	19" Patch panel with cable relief incl. 24x AMJ Module K Cat.6, suitable for RJ11/12 plugs incl. grounding set 0,3 m kit	1	light grey RAL 7035

Top-Hat Rail Adaptor	Order no.	Description	PU*	Colour
	H06000A0045	Top-hat rail adaptor IP20 for AMJ Modules K Cat.6+ and Coupler K Cat.5e/Cat.6+	1	

Accessories	Order no.	Description	PU*	Colour
	N00000A0013	Plier wrench 1 3/8 Zoll, tool for the assembly of AMJ modules, one-piece-design of plier and wrench	1	

Telegärtner Patch Cords Cat.7

10 Gigabit-Ethernet Compliant in Channel Class E_A

Patch Cords Cat.7 - S / FTP (LSZH) - Wiring 1:1 - Shielded




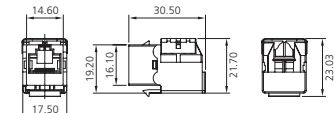
Length	Order no.						
	grey	green	red	blue	yellow	black	White
0.5 m	L00000A0072	L00000A0073	L00000A0074	L00000A0075	L00000A0076	L00000A0077	L00000A0130
1.0 m	L00000A0081	L00000A0082	L00000A0083	L00000A0084	L00000A0085	L00000A0086	L00000A0131
2.0 m	L00001A0084	L00001A0085	L00001A0086	L00001A0087	L00001A0088	L00001A0089	L00001A0123
3.0 m	L00002A0112	L00002A0113	L00002A0114	L00002A0115	L00002A0116	L00002A0117	L00002A0141
5.0 m	L00003A0055	L00003A0056	L00003A0057	L00003A0058	L00003A0059	L00003A0060	L00003A0085
7.5 m	L00004A0054	L00004A0055	L00004A0056	L00004A0057	L00004A0058	L00004A0060	L00004A0071
10.0 m	L00005A0027	L00005A0028	L00005A0029	L00005A0030	L00005A0031	L00005A0032	L00005A0051


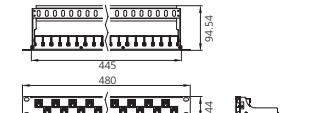
Cat.7 Installation Cable

Horizontal Cable S/FTP Cat.7	Order no.	Description
	L02002A0120	Installation cable AMJ900 S/FTP Cat.7 FRNC, 4x2xAWG 23/1 length=1000 m, wooden one-way drum
	L02002A0121	Installation cable AMJ900 S/FTP Cat.7 FRNC, Duplex 2x(4x2)xAWG 23/1 length=500 m, wooden one-way drum


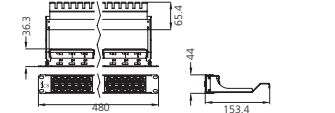

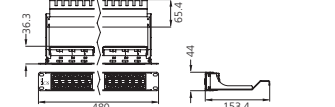
* PU= Packaging Unit ** X denotes color: -1=White, -2=Blue, -3=Black, -4=Green, -5=Red, -6=Yellow, -7=Ivory, -8=Orange, -9=Grey

10 Gigabit Cat.6+








Modules / Keystone Jack	Order no.	Description	PU*	Colour
 	KJ10009-X	90° 10Gb Cat.6+ Unshielded Keystone Jack	1	**





Patch Panel	Order no.	Description	PU*	Colour
 	PP10001	24-Port 10Gb Cat.6+ Unshielded staggered Patch Panel	1	black

Cat.6+ Data Center Solution Patch Panel



Patch Panel	Order no.	Description	PU*	Colour
 	PP10005	1HU 48-Port Cat.6+ UnShielded Feed-Through Patch Panel	1	black
 	PP11002	1HU 48-Port Cat.6+ Shielded Feed-Through Patch Panel	1	black

Faceplate

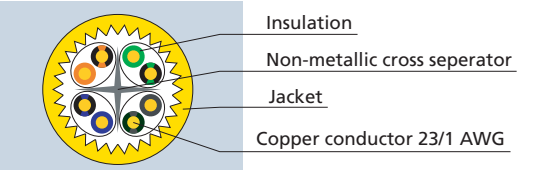
U.S. Style	Order no.	Description	PU*	Colour
	FP10102	2-port, W/Station ID & Icon	1	white
	FP10103	4-port, W/Station ID & Icon	1	white
	FP10104	6-port, W/Station ID & Icon	1	white
	FP10201	1-port, W/Station ID & Icon	1	white
	FP10202	2-port, W/Station ID & Icon	1	white
	FP10203	1-port, W/Station ID, Dust cover & Icon	1	white
	FP10204	1-port, W/Station ID, Dust cover & Icon	1	white

U.K. Style	Order no.	Description	PU*	Colour
	FP40001	1-port, W/Station ID & Shutter	1	white
	FP40002	2-port, W/Station ID & Shutter	1	white
	FP40005	1-port, W/Station ID & Angled Shutter	1	white
	FP40006	2-port, W/Station ID & Angled Shutter	1	white

Surface Mount Box


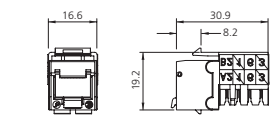

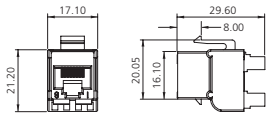

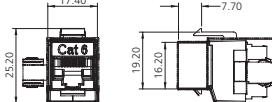
W/Station ID & Shutter	Order no.	Description	PU*	Colour
	BX50001	1 port W/Station ID & Shutter	1	white
	BX50002	2 port W/Station ID & Shutter.	1	white


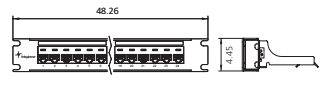

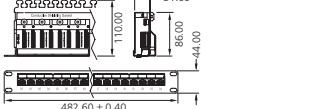
10Gb Installation Cable

Horizontal Cable U/UTP Cat.6A 10Gb	Order no.	Description	PU*	Colour
	L02002A0130Y	U/UTP Cat.6A 10Gb 4x2xAWG 23/1 solid conductor 1.000 ft. (305 m) drum	1	yellow

* PU= Packaging Unit ** X denotes color: -1=White, -2=Blue, -3=Black, -4=Green, -5=Red, -6=Yellow, -7=Ivory, -8=Orange, -9=Grey

Cat.6

Modules / Keystone Jack	Order no.	Description	PU*	Colour
 	KJ10008-X	90° Cat.6 Unshielded Keystone Jack, W/Dust cover	1	**
 	KJ10005-X	180° Cat.6 Unshielded Keystone Jack	1	**
 	KJ11002	180° Cat.6 Shielded Keystone Jack	1	Silver

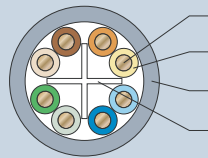
Patch Panel	Order no.	Description	PU*	Colour
 	PP10006	1HU 24-Port Cat.6 Unshielded Patch Panel, W/Wire Management and Icon	1	black
 	PP11001	1HU 24-Port Cat.6 Shielded Patch Panel	1	Silver

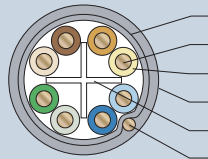
Patch Cords Cat.6 - U / UTP (PVC) - Wiring 1:1




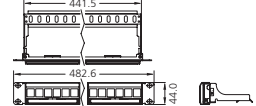
Length	Order no.- grey	Order no.- green	Order no.- red	Order no.- blue	Order no.- yellow	Order no.- black
0.5 m	L00000A0106	L00000A0108	L00000A0110	L00000A0112	L00000A0114	L00000A0116
1.0 m	L00000A0107	L00000A0109	L00000A0111	L00000A0113	L00000A0115	L00000A0117
2.0 m	L00001A0105	L00001A0107	L00001A0109	L00001A0111	L00001A0113	L00001A0115
3.0 m	L00002A0128	L00002A0130	L00002A0132	L00002A0134	L00002A0136	L00002A0138
5.0 m	L00003A0072	L00003A0073	L00003A0074	L00003A0075	L00003A0076	L00003A0077
7.5 m	L00004A0065	L00004A0066	L00004A0067	L00004A0068	L00004A0069	L00004A0070
10.0 m	L00005A0040	L00005A0041	L00005A0042	L00005A0043	L00005A0044	L00005A0045

Cat.6 Installation Cable

Horizontal Cable U/UTP Cat.6+	Order no.	Description	PU*	Colour
 <ul style="list-style-type: none"> Copper conductor 23/1 AWG PE dielectric Jacket Non-metallic cross separator 	L02002A0057	U/UTP Cat.6+ 4x2xAWG 23/1 solid conductor 1.000 ft. (305 m) carton	1	Light grey RAL 7035


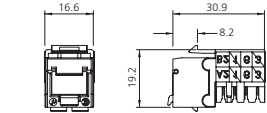

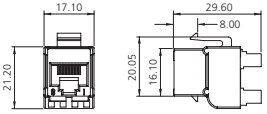

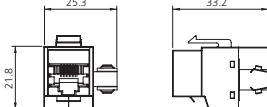
Horizontal Cable F/UTP Cat.6+	Order no.	Description	PU*	Colour
 <ul style="list-style-type: none"> Shielding Copper conductor 23/1 AWG PE dielectric Jacket Non-metallic cross separator Drain Wire 	L02002A0059	F/UTP Cat.6+ 4x2xAWG 23/1 solid conductor 1.000 ft. (305 m) carton	1	Light grey RAL 7035


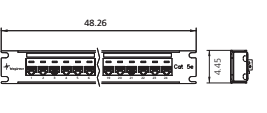

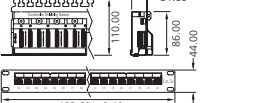
i-match Series

Modules / Patch Panel	Order no.	Description	PU*	Colour
 	PP10004	i-match 1HU 24-Port Unshielded Front Access Patch Panel (be applicable to KJ10008-X, KJ-20005-X, Fiber: SC, ST, LC, Coax: BNC, F, RCA)	1	black

* PU= Packaging Unit ** X denotes color: -1=White, -2=Blue, -3=Black, -4=Green, -5=Red, -6=Yellow, -7=Ivory, -8=Orange, -9=Grey

Cat.5e

Modules / Keystone Jack	Order no.	Description	PU*	Colour
		KJ20005-X 90° Cat.5e Unshielded Keystone Jack, W/Dust cover	1	**
		KJ20004-X 180° Cat.5e Unshielded Keystone Jack	1	**
		KJ21003 180° Cat.5e Shielded Keystone Jack	1	Silver

Patch Panel	Order no.	Description	PU*	Colour
		PP20003 1HU 24-Port Cat.5e Unshielded, Patch Panel W/Ring & Icon	1	black
		PP21001 1UH 24-Port Cat.5e Shielded Patch Panel	1	Silver

Patch Cords Cat.5e - U / UTP (PVC) - Wiring 1:1

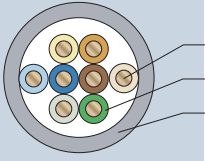


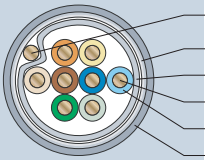
Length	Order no.- grey	Order no.- green	Order no.- red	Order no.- blue	Order no.- yellow	Order no.- black
0.5 m	L00000E0010	L00000E0064	L00000E0065	L00000E0063	L00000E0066	L00000E0000
1.0 m	L00000E0011	L00000E0069	L00000E0070	L00000E0068	L00000E0071	L00000E0001
2.0 m	L00001E0005	L00001E0068	L00001E0069	L00001E0067	L00001E0070	L00001E0000
3.0 m	L00002E0004	L00002E0102	L00002E0103	L00002E0101	L00002E0104	L00002E0000
5.0 m	L00003E0003	L00003E0049	L00003E0050	L00003E0048	L00003E0051	L00003E0000
7.5 m	L00004E0003	L00004E0052	L00004E0053	L00004E0051	L00004E0054	L00004E0000
10.0 m	L00005E0003	L00005E0026	L00005E0027	L00005E0025	L00005E0028	L00005E0000

Patch Cords Cat.5e - F / UTP (PVC) - Wiring 1:1

Length	Order no.- grey	Order no.- green	Order no.- red	Order no.- blue	Order no.- yellow	Order no.- black
0.5 m	L00000D0008	L00000D0074	L00000D0075	L00000E0073	L00000D0076	L00000D0087
1.0 m	L00000D0009	L00000D0079	L00000D0080	L00000E0078	L00000D0081	L00000D0088
2.0 m	L00001D0004	L00001D0073	L00001D0074	L00001E0072	L00001d0075	L00001D0093
3.0 m	L00002D0005	L00002D0107	L00002D0108	L00002E0106	L00002D0109	L00002D0121
5.0 m	L00003D0002	L00003D0054	L00003D0055	L00003E0053	L00003D0056	L00003D0061

Cat.5e Installation Cable

Horizontal Cable U/UTP Cat.5e	Order no.	Description	PU*	Colour
	L02002A0036	U/UTP Cat.5e 4x2xAWG 24/1 solid conductor 1.000 ft. (305 m) carton	1	Light grey RAL 7035

Horizontal Cable F/UTP Cat.5e	Order no.	Description	PU*	Colour
	L02002A0038	F/UTP Cat.5e 4x2xAWG 24/1 solid conductor 1.000 ft. (305 m) carton	1	Light grey RAL 7035

* PU= Packaging Unit ** X denotes color: -1=White, -2=Blue, -3=Black, -4=Green, -5=Red, -6=Yellow, -7=Ivory, -8=Orange, -9=Grey

FEATURES



Cat.6 Wire Management

- guided Cat.6 wire-sorting technology ensures proper installation for high Class E NEXT reserves in the permanent link
- Telegärtner wire management prevents crossed pairs
- installation-friendly connection technology requiring no special tools



New IDC Termination

- new IDC termination for cables with AWG26/1-22/1 solid conductors and for AWG24/7, AWG26/7, AWG27/7 with stranded conductors
- a large bandwidth of copper conductor diameters is covered by the new IDC termination



Shielding

- separate cable strain relief and shield contacting: this permits smaller bend radii for the installation cable without any resultant negative effects on the shield contacting
- solid shielding housing made of zinc die-cast



Quick Grounding

- quick grounding: AMJ Modules K can be directly connected to pre-assembled grounding cables at the panel connector (DIN 46342-1; 6,3 mm), e. g. in steel cable ducts



Approved for RJ11/12 plugs "K"-types

- The minimum number of mating cycles for RJ45 jacks is 750. The IEC Standard 60603-7-5 does not permit connections with RJ11/12 plugs.
- The user-friendly solution from Telegärtner with regard to "accidental matings with RJ11/12 plugs" is called the AMJ Module/Coupler K. The newly developed RJ45 jack includes an integrated protection against overbending of the contacts. This protection is offered for all types having a "K" in their product designation.
- The integrated overbend protection still permits 750 mating cycles with RJ11/12 plugs and — despite the fact that the socket contacts 1 and 8 being overbent — ensures secure contacting when mated with RJ45 plugs.

The New Dimension in Shielded Network Cabling

10 Gigabit Ethernet



Study, Medical treatment



Industrial manufacturing



Business, Financial type



Leading companies put their faith in technology from Telegärtner.

The success of companies employing data and telecommunications systems depends to a great extent on the components. In this regard, quality and reliability always stand in the foreground. With this in mind, these companies only put their faith in products which exceed the specified standards. In short: they put their faith in Telegärtner.

And their success proves them right.

Utilize the Contacts within the Telegärtner Group



Telegärtner Karl Gärtner GmbH
Lerchenstr. 35
D-71144 Steinenbronn, Germany
TEL: +49-(0)7157-125-100
FAX: +49-(0)7157-125-120



Japan Telegaertner Limited
Shibuya-YT bldg. 02-5F, 21-3, Shinsen-cho,
Shibuya-ku, Tokyo, 150-0045, Japan
TEL: +81-3-5790-7621
FAX: +81-3-5790-7622



Telegärtner Elektronik GmbH
Hofäckerstrasse 18
74564 Crailsheim, Germany
TEL: +49 7951 / 488-0
FAX: +49 7951 / 488-80



Telegärtner Inc.
411 Domenic Court
Bensenville, IL60106, U.S.A.
TEL: +1-630-617-7600
FAX: +1-630-616-8322



Telegärtner Kunststofftechnik GmbH
Gewerbestrasse 4/6
D-71144 Steinenbronn, Germany
TEL: +49-(0)7157-52501-0
FAX: +49-(0)7157-72512



Telegärtner China Ltd.
Room 23, 4F Nam Fung Commercial Center,
No. 19 Lam Lok St. Kowloon Bay, Hong Kong
TEL: +852-2331-2090
FAX: +852-2305-2377

China Factory

Block 8, Xin Wei Gong Ye Qu, Xili Zhen, Nan Shan Qu
Shen Zhen Shi, China, 518055
TEL: +86-755-6624-395
FAX: +86-755-6624-395



Telegärtner Gerätebau GmbH
Frauenstrasse 1
D-01774 Höckendorf, Germany
TEL: +49-35055-682-0
FAX: +49-35055-612-24



Telegärtner-HCI Taiwan Inc.
9F., No. 39, Lane 513, Rueiguang Rd.,
Neihu District, Taipei City 114, Taiwan, R.O.C.
TEL: +886-2-2658-5055
FAX: +886-2-2658-5077



**Telegärtner Karl Gärtner GmbH
Regional Offices France**

COAX

8, boulevard Pierre Curie
F-83320 Carqueiranne
TEL: +33-4-94-35-73-11
FAX: +33-4-94-33-79-34

DataVoice

20, rue Ambroise Pare
F-91280 Saint-Pierre du Perray
TEL: +33-1-60756320
FAX: +33-1-60756320

Telegärtner-HCI Taiwan Inc.

9F., No. 39, Lane 513, Rueiguang Rd.,
Neihu District, Taipei City 114, Taiwan

Telefon: +886-2-2658-5055
Telefax: +886-2-2658-5077

E-Mail: info@telegaertner-hci.com.tw
Web: www.telegaertner-hci.com.tw

Distributor: