

BEST CONTACTS FOR YOUR SUCCESS



Telegärtner

KARL GÄRTNER GMBH

NETWORKING COMPONENTS

COAXIAL CONNECTORS

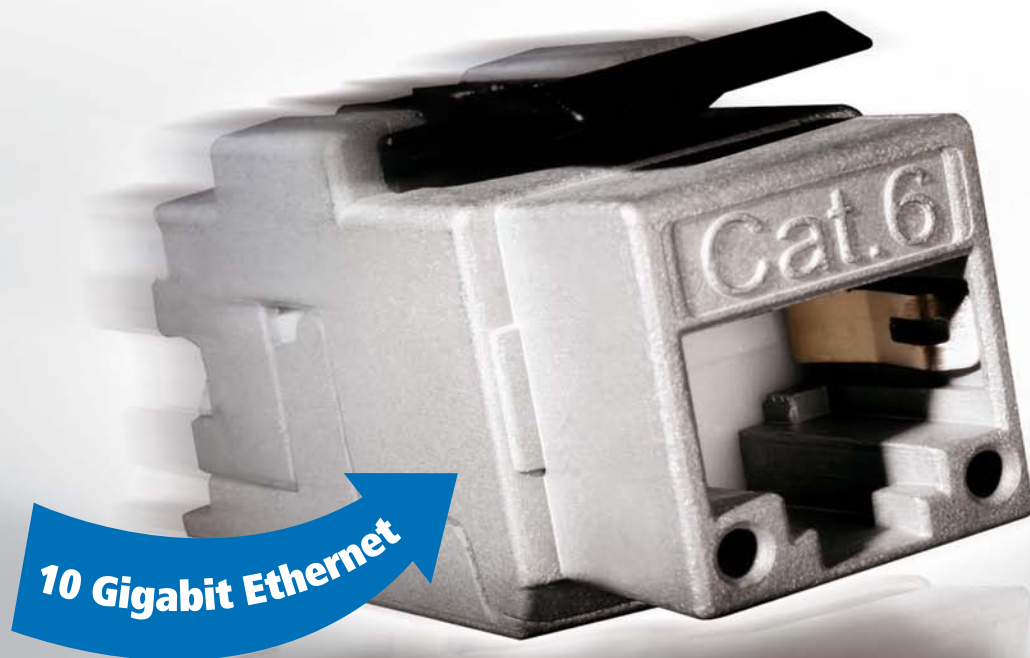
CABLE ASSEMBLIES

PRECISION TURNED PARTS

PLASTIC INJECTION MOULD PARTS

INDUSTRIAL ELECTRONICS

The New Dimension in Shielded Network Cabling



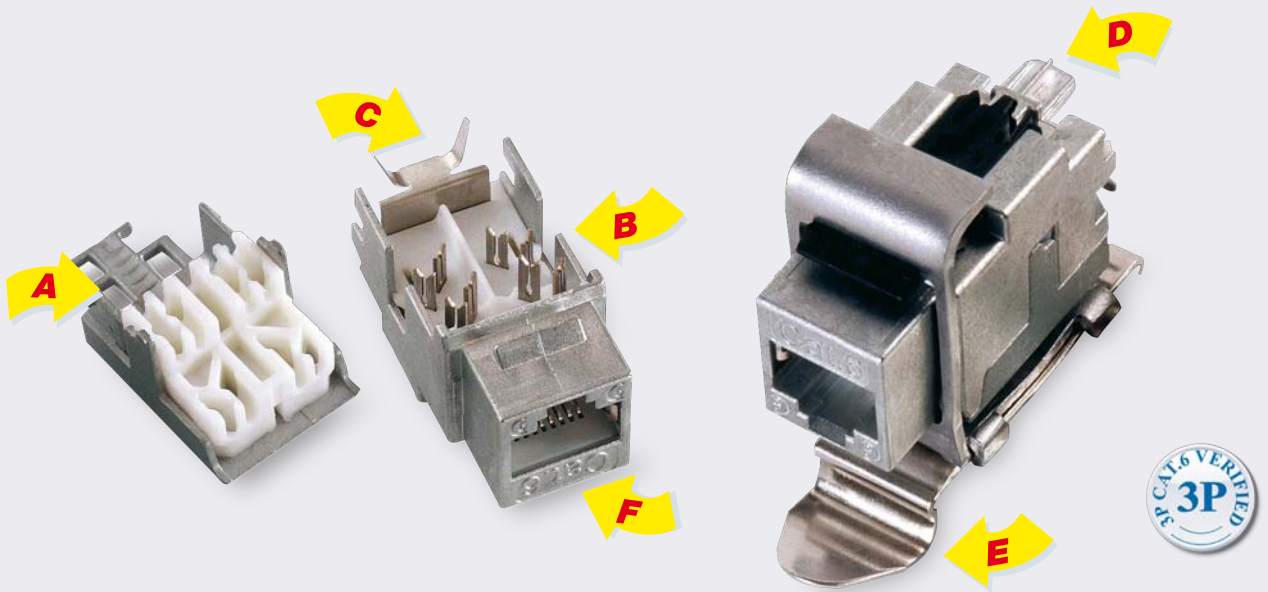
AMJ Modules Cat.6+
The Telegärtner Modular System

AMJ Module Cat.6+

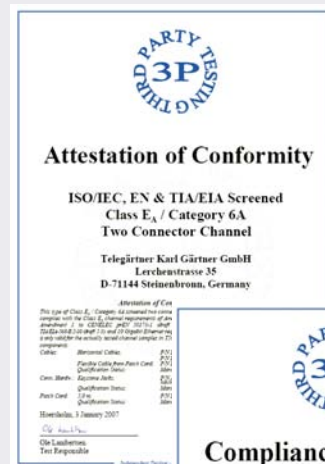
Telegärtner has developed a fully-shielded AMJ Module Cat.6+ with outstanding transmission characteristics for 10 Gigabit-Ethernet. Manufacturing the Cat.6 core and the IDC termination on a fully-automated production line guarantees an excellent price/performance ratio combined with quality inspections on the line which set new standards. With its 19.3 x 14.7 mm dimensions, the module fits in many applications employing the universally available

mounting cut-outs 19.3 x 14.7 mm dimensions of face-plates and 19" patch panel solutions. Telegärtner's newly developed IDC termination dependably accepts contacts ranging from AWG22/1 up to a minimum diameter of AWG27/7 for flexible cables. The AMJ Module Cat.6+ thus also recommends itself for the connection of AWG24/7, AWG26/7, AWG27/7 patch cables to the IDC termination in order to create a consolidation point.

Performance Characteristics



- De-embedded Cat.6 Tested**
 according to ANSI/TIA/EIA 568-B.2-1, EN 50173-1, ISO/IEC 11801 edition 2, draft IEC 60603-7-5
- 10 Gigabit-Ethernet Compliant (IEEE P802.3an)**
 3P certified Channel Class E_A
- Link Tests**
 Class E_A: 2-Connector Channel (acc. to TIA/EIA-568-B.2-10 draft 5.0)
 Class E: 3-Connector Permanent Link (with AMJ Coupler Cat.6)
 4-Connector Channel (with AMJ Coupler Cat.6)
 Original Tests see on www.3ptest.dk
- Link Reserves**
 12 dB typ. Permanent Link Class E
- Universal Installation Dimension**
 universally available installation dimension for mounting cut-outs: 19.3 x 14.7 mm
- Real Cat.6 RJ45 Jack/Core**
 fully-automated production of Cat.6 RJ45 jack/core to guarantee a uniformly high quality standard (transmission characteristic values) mating face: EN 60603-7-5
- Made in Germany**



Benefits

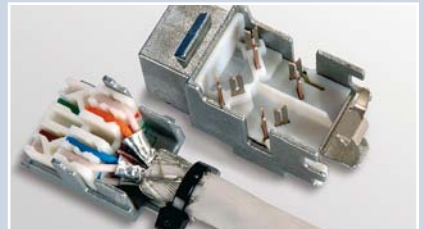
A Cat.6 Wire Management

- 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



B 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



C 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



D 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



E Flexible Application

- can be used to create consolidation point connections
- the AMJ Modules/Couplers K can be installed vertically or horizontally in cable ducts with the aid of the top-hat rail adaptors (which can be rotated in 90° increments)



F 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.


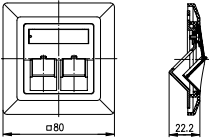

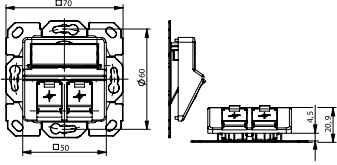

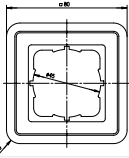

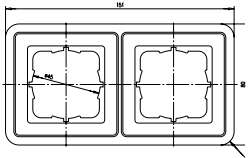

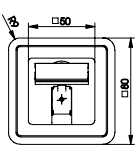

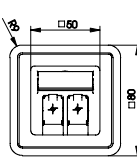

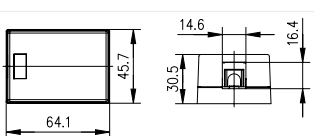

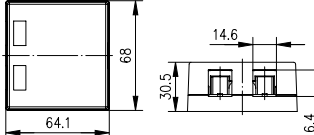

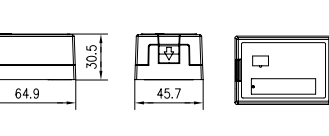

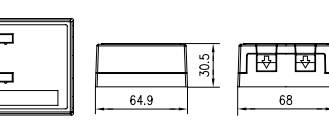

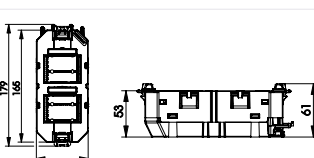

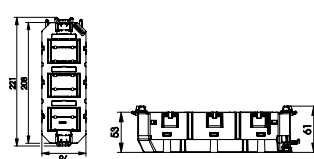


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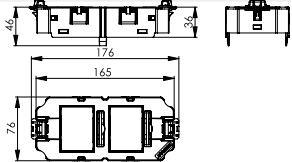

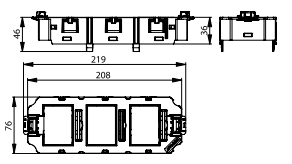

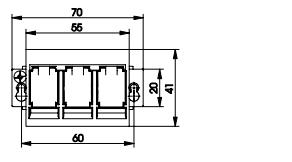

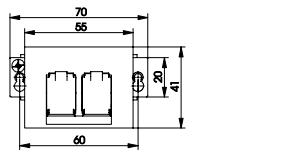

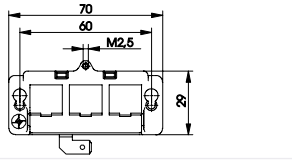

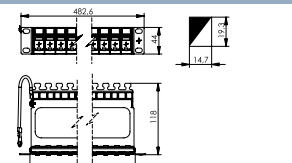
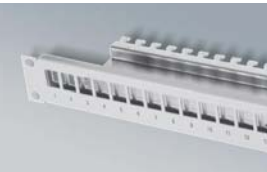
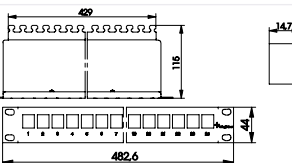

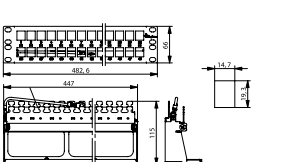

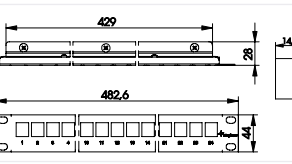

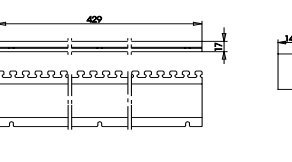
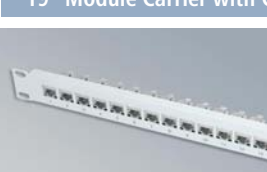
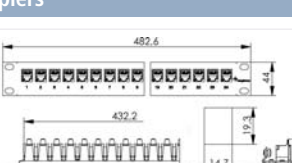
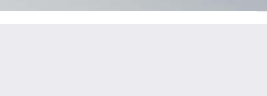
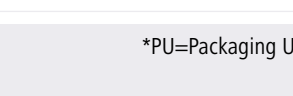

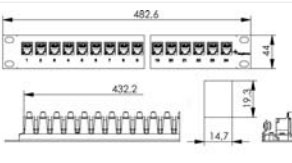
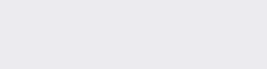
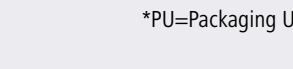
Order Information

Modules / Couplers		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	
		J00029A0061	AMJ Coupler K Cat.6, f-f, suitable for RJ11/12 plugs	4	
		J00029K0051	AMJ Coupler K Cat.5e, f-f, suitable for RJ11/12 plugs	4	
		J00029B0061	AMJ-Coupler K Cat.6, f-f, Blister-pack 24 pcs., suitable for RJ11/12 plugs	24	
		J00029L0051	AMJ Coupler K Cat.5e, f-f, Blister-pack 24 pcs., suitable for RJ11/12 plugs	24	
		J00029A0062	AMJ Coupler K Cat.6 insulated, f-f, suitable for RJ11/12 plugs	4	alpine white
		J00029K0052	AMJ Coupler K Cat.5e insulated, f-f, suitable for RJ11/12 plugs	4	alpine white
		B00001A0016W	Retrofit dust cover flap	100	black
		B00001B0016W	Retrofit dust cover flap	100	orange
		B00001C0016W	Retrofit dust cover flap	100	green
		B00001D0016W	Retrofit dust cover flap	100	blue
		B00001E0016W	Retrofit dust cover flap	100	yellow
Cable Duct Mounting / Surface Mounting		Order no.	Description	PU*	Colour
		H02010A0055	Single gang faceplate UK style 86x86, BR**, w/o modules, with shutter and transparent label field	1	alpine white
		H02010A0056	Double gang faceplate UK style 86x86, BR**, w/o modules, with shutter and transparent label field	1	alpine white
		H02010A0049	Single gang faceplate 50x50 design, 1x UP/50 BR**/underfloor, w/o modules, MC*** mating direction 45 degree	5	alpine white
		H02010A0050	Single gang faceplate 50x50 design, 1x UP/50 BR**/underfloor, w/o modules, MC*** mating direction 45 degree	5	pearlwhite RAL 1013
		H02010A0051	Double gang faceplate 50x50 design, 2x Up/50 BR**/underfloor, w/o modules, MC*** mating direction 45 degree	5	alpine white
		H02010A0052	Double gang faceplate 50x50 design, 2x Up/50 BR**/underfloor, w/o modules, MC*** mating direction 45 degree	5	pearlwhite RAL 1013
		H02010A0053	Triple gang faceplate 80x80 design, 3x BR**, w/o modules, MC*** mating direction 45 degree	5	alpine white
		H02010A0054	Triple gang faceplate 80x80 design, 3x BR**, w/o modules, MC*** mating direction 45 degree	5	pearlwhite RAL 1013


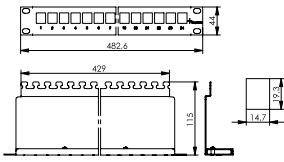

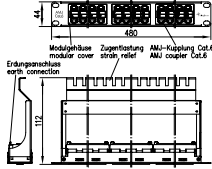
*PU=Packaging Unit **BR=Cable Duct Mounting ***MC=Integrated metal module carrier and shutters


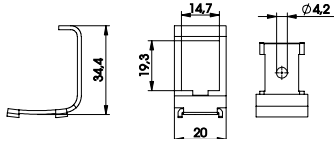
		H02010A0040	Double gang faceplate 80x80, 2x UP/50 BR** MC***, w/o modules, with integrated module carrier and shutters, mating direction 45 degree	5	alpine white
		H02010A0057	Double gang faceplate 50x50, 2x UP/50 BR** MC*** w/o modules for flush mounting, mating direction 45 degree	5	alpine white
		B00004A0021Y	Single 80x80 frame design	5	alpine white
		B00004A0019Y	Single 80x80 frame design	5	pearlwhite RAL 1013
		B00005A0009Y	Double 80x151 frame design	5	alpine white
		B00005A0007Y	Double 80x151 frame design	5	pearlwhite RAL 1013
		H02000A0060	Single gang surface mounting box 80x80 design AP, w/o modules, MC*** mating direction 45 degree	5	alpine white
		H02000A0061	Single gang surface mounting box 80x80 design AP, w/o modules, MC*** mating direction 45 degree	5	pearlwhite RAL 1013
		H02000A0062	Double gang surface mounting box 80x80 design AP, w/o modules, MC*** mating direction 45 degree	5	alpine white
		H02000A0063	Double gang surface mounting box 80x80 design AP, w/o modules, MC*** mating direction 45 degree	5	pearlwhite RAL 1013
		H02000A0064	Single gang surface mouting box 46x64, 1x AP compact, w/o module/coupler	5	alpine white
		H02000A0065	Double gang surface mouting box 68x64, 2x AP compact, w/o modules/couplers	5	alpine white
		H02000A0071	Single gang surface mouting box 46x64, 1x AP compact, w/o module/coupler, with shutter and transparent label field	5	alpine white
		H02000A0072	Double gang surface mouting box 68x64, 2x AP compact, w/o modules/couplers,	5	alpine white
Subfloor		Order no.	Description	PU*	Colour
		H02041A0018	Subfloor mounting box GB2 complete (Tehalit)	1	black
		H02041A0019	Subfloor mounting box GB3 complete (Tehalit)	1	black

*PU=Packaging Unit **BR=Cable Duct Mounting ***MC=Integrated metal module carrier and shutters

		H02041A0020	Subfloor mounting box GB2 without tray (Tehalit)	1	black
		H02041A0021	Subfloor mounting box GB3 without tray (Tehalit)	1	black
		H02041A0016	Double gang faceplate 55x41 for GB2/GB3, halogenfree, w/o modules/couplers, incl. transparent label field, shutter and metal module carrier, mating direction 45 degree	1	light grey RAL 7035
		H02041A0017	Triple gang faceplate 55x41 for GB2/GB3, halogenfree, w/o modules/couplers, incl. transparent label field shutter and metal module carrier, mating direction 45 degree	1	light grey RAL 7035
		B10014A0017	Triple gang module carrier for underfloor applications w/o faceplate, fixation track 60 mm with screws (not for H02041A0018 and H02041A0019)	5	
19" Module Carrier without Modules / Couplers		Order no.	Description	PU*	Colour
		H02025A0199	19" Frontplate Flex 1 HU incl. 24x snap-in bezels for 24 AMJ Modules / Couplers, incl. grounding set 0,3 m kit	1	light grey RAL 7035
		H02025A0167	19" Frontplate 1 HU with cable relief for 24 AMJ Modules/Couplers, incl. grounding set 0,3 m kit	1	light grey RAL 7035
		H02025A0220	19" Frontplate 1 HU with cable relief for 24 AMJ Modules/Couplers, incl. grounding set 0,3 m kit	1	black
		H02025A0171	19" Frontplate 1,5 HU with cable relief for 48 AMJ Modules/Couplers incl. grounding set 0,3 m kit	1	light grey RAL 7035
		H02025A0197	19" Frontplate 1 HU w/o cable relief for 24 AMJ Modules/Couplers	1	light grey RAL 7035
		H02025A0221	19" Frontplate 1 HU w/o cable relief for 24 AMJ Modules/Couplers	1	black
		H02025A0198	Cable relief set for H02025A0197, J02023A0026, J02023K0025	1	light grey RAL 7035
19" Module Carrier with Couplers		Order no.	Description	PU*	Colour
		J02023A0026	19" Frontplate 1 HU, incl. 24x AMJ Couplers K Cat.6*, suitable for RJ11/12 plugs	1	light grey RAL 7035
		J02023K0025	19" Frontplate 1 HU, incl. 24x AMJ Couplers K Cat.5e*, suitable for RJ11/12 plugs * w/o cable relief, incl. grounding set 0,3 m kit	1	light grey RAL 7035

*PU=Packaging Unit **BR=Cable Duct Mounting ***MC=Integrated metal module carrier and shutters


		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
		J02023A0033	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	black
		NEW			
		J02024A0007	19" Feedthrough panel with 48x AMJ Coupler K Cat.6 (4x12) incl. grounding set 0,3 m kit	1	light grey RAL 7035
		J02024C0007	19" Feedthrough panel with 48x AMJ Coupler K Cat.6 (4x12) incl. grounding set 0,3 m kit	1	black
		NEW			

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", auxiliary tool for the assembly of AMJ Modules	1	
	L00040A0009	Grounding set 0,3 m for H02025A0197	1	
	H02010B0013	Universal mounting box for AMJ Modules/Couplers (up to 3 modules) and cable ducts with the height 47, 50, 52 and 55 mm, for DIN-, C- and Combi-rail	5	white

Installation Cable	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

 Telegärtner Patch Cords Cat.7 - S/FTP (LSZH) are **10 Gigabit-Ethernet compliant** in Channel Class E_A

Patch Cords Cat.7 - S/FTP (LSZH) - Wiring 1:1 - shielded							
							
	Order no.						
Length	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
15,0 m	L00006A0033	L00006A0037	L00006A0041	L00006A0045	L00006A0049	L00006A0053	
20,0 m	L00006A0036	L00006A0038	L00006A0042	L00006A0046	L00006A0050	L00006A0054	
25,0 m	L00006A0034	L00006A0039	L00006A0043	L00006A0047	L00006A0051	L00006A0055	
50,0 m	L00006A0035	L00006A0040	L00006A0044	L00006A0048	L00006A0052	L00006A0056	

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Utilize the Contacts within the Telegärtner Group



The Telegärtner group offers you a complete and varied network of services. If you, as a customer, are already working successfully with Telegärtner in one of the following product areas, you can also profit from our outstanding performance in other areas – and exploit the resulting synergies. Please contact your authorised Telegärtner sales partner to receive additional catalogues and information material!



Networking Components

Telegärtner offers an extensive line of connection components for telecommunications and data transmission technology. We can provide, on the one hand, high performance, active and passive components for transmission via copper cables and, on the other, connection and distribution components for fibre optics.

Coaxial Connectors

Whether you require coaxial connectors for high power transfer in the area of transmission, subminiature connectors for dense packaging, or precision connectors for laboratory equipment, Telegärtner can meet your every need with its extensive line of standard products – as well as, naturally, connectors specially designed to meet individual customer specifications.

Cable Assembly

On request, Telegärtner can provide ready-to-use RJ45 and fibre optic patch cords, coaxial cables and a wide range of other cables which we assemble ourselves. The advantage: cablespecific connectors together with reliable, low-loss RF cables. In addition to conventional coax cables, we also pre-assemble semirigid, semi-flex, and corrugated cables.

Precision Turned Parts

Telegärtner Gerätebau manufactures precision turned parts of the highest quality. These include form turned pieces with diameters from 10 mm to 65 mm; straight turned parts with diameters from 6 mm to 26 mm; parts made from brass, aluminium, steel, stainless steel, and other materials. Our extensive knowledge in postprocessing techniques such as grinding and milling, galvanic surface treatment as well as heat treatment round off our service offerings.

Plastic Injection Mould Parts

Under the motto: "integrating ideas, reducing process costs, accelerating production", Telegärtner Kunststofftechnik brings its comprehensive know-how to bear on complex material combinations, from product development right up to series production, from multi-component injection moulding, across in-mould and MID 3D techniques, to automation and clean room technologies.

Industrial Electronics

Telegärtner Elektronik offers active/passive sub-assemblies for industrial electronics, telephone and entryway speaker systems as well as emergency call systems. We offer everything from development (hardware and software) based on customer specifications, to technical consultation and prototype testing and acceptance by the TÜV (the leading technical approval institution in Germany), up to production in small and large series. Device construction covers every aspect from PCB population and sub-assembly mounting, up to complete device manufacturing.

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