

2nd Edition

## PRODUCT OVERVIEW

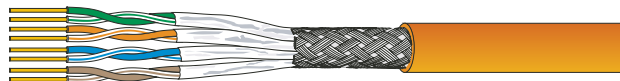
**COMPONENTS FOR CLASS E<sub>A</sub> CABLING SYSTEMS  
WITH RJ45 MODULE MS-K PLUS CAT.6<sub>A</sub> (IEC)**

Future-proof 10GBase-T solutions for your IT infrastructure

# COPPER CABLING SYSTEM

For the transmission of data, voice, video signals and Power over Ethernet (PoE) using symmetrical copper cable you need high-quality system solutions. With the components in this guide, you can install Class E<sub>A</sub> cabling systems up to 500 MHz which offer great spare capacity at the required limit values of the 10GBase-T standard. In doing so, the RJ45 module MS-K Plus 1/8 from Datwyler plays a central role. This module fully complies with the requirements of international standard IEC 60603-7-51 for Category 6<sub>A</sub>.

## Shielded data cables for Class E<sub>A</sub>



Article No.	Dimension n x n x mm	Cable	Colour	Characteristics
182925	4 x 2 x 0,64 (AWG 22)	CU 7150 4P Multimedia 1500 MHz, Cat 7 <sub>A</sub>	orange	
177400	4 x 2 x 0,62 (AWG 22)	CU 7702 4P 1200 MHz, Cat 7 <sub>A</sub>	orange	
191466	4 x 2 x 0,59 (AWG 23)	CU 7120 4P 1200 MHz, Cat 7 <sub>A</sub>	orange	
188514	4 x 2 x 0,57 (AWG 23)	CU 7052 4P 1000 MHz, Cat.7	orange	
182911	4 x 2 x 0,57 (AWG 23)	CU 7080 4P 1000 MHz, Cat 7	orange	
187689	4 x 2 x 0,55 (AWG 23)	CU 7002 4P 1000 MHz, Cat.7 Industrial PUR	orange	
191923	4 x 2 x 0,57 (AWG 23)	CU 7002 4P GG-PE 600 MHz, Cat.7 with rodent protection and PE cable sheeth	orange	
182924	4 x 2 x 0,55 (AWG 23)	CU 7060 4P 500 MHz, Cat 6 <sub>A</sub>	orange	
191453	4 x 2 x 0,55 (AWG 23)	CU 6502 4P 500 MHz, Cat 6 <sub>A</sub>	orange	

You will find the data sheets at [www.cabling.datwyler.com/Products](http://www.cabling.datwyler.com/Products).



## RJ45 module MS-K Plus 1/8 Cat.6<sub>A</sub> (IEC) for 10 Gigabit Ethernet



### Suitable for Class E<sub>A</sub> Channel and Permanent Link:

Article No.	Description	Colour (similar to)	PU
440004	RJ45 module MS-K Plus 1/8 Cat.6 <sub>A</sub> (IEC), with colour code TIA 568-A	metal	10 pcs
440005	OPTION RJ45 module MS-K Plus 1/8 Cat.6 <sub>A</sub> (IEC), with colour code TIA 568-B	metal	10 pcs
440006	OPTION RJ45 module MS-N Plus 1/8 Cat.6 <sub>A</sub> (IEC), with colour code TIA 568-A	metal	10 pcs
417985	Dust shutters MS-K (1 set = 25 pcs.)	grey, RAL 7035	1 set
417986	Dust shutters MS-K (1 set = 25 pcs.)	white, RAL 9010	1 set
440034	Dust shutters MS-K (1 set = 25 pcs.)	red, RAL 3000	1 set
440035	Dust shutters MS-K (1 set = 25 pcs.)	yellow, RAL 1021	1 set
440036	Dust shutters MS-K (1 set = 25 pcs.)	blue, RAL 5015	1 set
440037	Dust shutters MS-K (1 set = 25 pcs.)	green, RAL 6016	1 set
440038	Dust shutters MS-K (1 set = 25 pcs.)	orange, RAL 2008	1 set
440039	Dust shutters MS-K (1 set = 25 pcs.)	black, RAL 9005	1 set

You will find the data sheet at [www.cabling.datwyler.com/Products](http://www.cabling.datwyler.com/Products).

## UP-K Faceplate 2x, 3x

**duct mounted & floor boxes**  
for 2 and 3 RJ45 modules MS-K, angled



Article No.	Description	Colour (similar to)	PU
440027	UP-K Faceplate for 2x MS-K 1/8, angled, with central plate 50 x 50 mm and 2 dust shutters (without cover frame/modules)	pure white, RAL 9010	1 pc.
440028	UP-K Faceplate for 3x MS-K 1/8, angled, with central plate 50 x 50 mm and 3 dust shutters (without cover frame/modules)	pure white, RAL 9010	1 pc.

You will find the data sheet at [www.cabling.datwyler.com / Products](http://www.cabling.datwyler.com / Products).

## UP Faceplate 2x

**flush mounted**  
for 2 RJ45 modules, straight outlet



Article No.	Description	Colour (similar to)	PU
440020	UP Faceplate for 2x RJ45 module, straight, 50 x 50 mm (without modules)	pure white, RAL 9010	1 pc.
1400830	Cover frame 80 x 80 mm	pure white, RAL 9010	1 pc.
417985	Dust shutters MS-K for reparation (1 set = 25 pcs.)	grey, RAL 7035	1 set
417986	Dust shutters MS-K for reparation (1 set = 25 pcs.)	pure white, RAL 9010	1 set

You will find the data sheets at [www.cabling.datwyler.com / Products](http://www.cabling.datwyler.com / Products).

## Cover frames, surface mount box and distance frame

for Datwyler data outlets

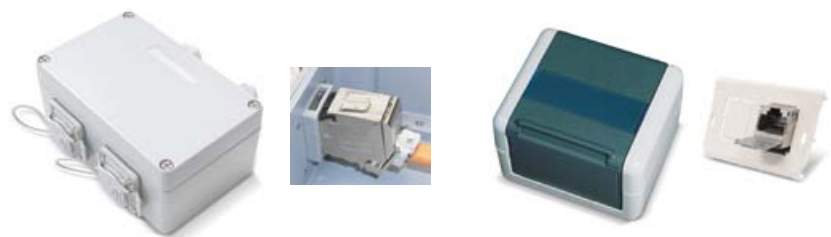


Article No.	Description	Colour (similar to)	PU
1400830	Cover frame 1-fold 80 x 80 x 5 mm	pure white, RAL 9010	1 pc.
1403924	Cover frame 2-fold 150 x 80 x 5 mm	pure white, RAL 9010	1 pc.
1406273	Surface mount box 80 x 80 x 40 mm with cover frame	pure white, RAL 9010	1 pc.
1406275	Distance frame 80 x 80 x 10 mm for surface mount box	pure white, RAL 9010	1 pc.

You will find the data sheets at [www.cabling.datwyler.com / Products](http://www.cabling.datwyler.com / Products).

## AP Outlet IP67 and IP44

**surface mounted**  
for 2 RJ45 modules MS-K Plus 1/8



Article No.	Description	Colour (similar to)	PU
417530	AP Outlet IP67 for 2 modules, 125 x 80 x 58 mm (without modules)	grey, RAL 7035	1 pc.
417510	AP Outlet IP44 for 2 modules, 85 x 57 x 75 mm (without modules)	grey, RAL 7035	1 pc.

You will find the data sheets at [www.cabling.datwyler.com / Products](http://www.cabling.datwyler.com / Products).

## Rail adapter MS-K IP20

### rail mounted

for 1 RJ45 module MS-K Plus 1/8



Article No.	Description	Colour (similar to)	PU
440018	Rail adapter for 1x MS-K (without module)	grey, RAL 7035	1 pc.

You will find the data sheet in our catalogue "ICT Networks" on page 159.

## Patch panel MS-K 24x

### for 24 RJ45 modules MS-K 1/8

shielded



Article No.	Description	Colour (similar to)	PU
440040	Patch panel MS-K 24x, 19"/1U, for 24x RJ45 module MS-K 1/8 (without modules)	front stainless steel	1 pc.
440041	Patch panel MS-K 24x, 19"/1U, for 24x RJ45 module MS-K 1/8 (without modules)	front grey, RAL 7035	1 pc.
418010	Blank covers for Keystone openings	pure white, RAL 9010	10 pcs.
418011	Blank covers for Keystone openings	black, RAL 9005	10 pcs.

You will find the data sheet and more patch panels at [www.cabling.datwyler.com](http://www.cabling.datwyler.com) / Products.

## Phone panels Cat.3

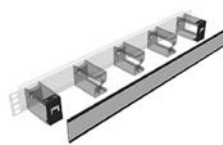


Article No.	Description	Colour (similar to)	PU
418000	Phone panel CU 25/4 with 25x RJ45 jacks, Cat.3, metal chassis	grey, RAL 7035	1 pc.
418001	Phone panel CU 50/4 with 50x RJ45 jacks, Cat.3, metal chassis	grey, RAL 7035	1 pc.
418002	Phone panel CU 25/4 with 25x RJ45 jacks, Cat.3, metal chassis	black, RAL 9005	1 pc.
418003	Phone panel CU 50/4 with 50x RJ45 jacks, Cat.3, metal chassis	black, RAL 9005	1 pc.
1401624	Patch panel termination aid (1 set = 2 angular sheets)		1 set
1401609	LSA Plus termination tool for LSA punch down contacts		1 pc.
185896	IDC termination tool 110		1 pc.

You will find the data sheet at [www.cabling.datwyler.com](http://www.cabling.datwyler.com) / Products.

## Management panels and cable shelves 19"/1U

in different versions



Article No.	Description	Colour/Material	PU
1411480	Support bracket 30 mm	black plastic	1 pc.
1411481	Support bracket 75 mm	metal	1 pc.
1411482	Support bracket 110 mm	metal	1 pc.
1411604	Management panel 19"/1U for 5 support brackets (delivery without brackets)	grey, RAL 7035	1 pc.
1407689	Management panel 19"/1U for 5 support brackets (delivery without brackets)	black, RAL 9005	1 pc.
418200	Management panel 19"/1U for 5 support brackets (delivery without brackets)	stainless steel, blank	1 pc.
401240	19" blank plate, 1U	grey, RAL 7035	1 pc.
401241	19" blank plate, 1U	black, RAL 9005	1 pc.
401242	19" blank plate, 1U	stainless steel, blank	1 pc.
401243	19" blank plate, 2U	grey, RAL 7035	1 pc.
401244	19" blank plate, 2U	black, RAL 9005	1 pc.
401245	19" blank plate, 2U	stainless steel, blank	1 pc.
401247	Cable feedthrough panel with strip 19"/1U	grey, RAL 7035	1 pc.
401248	Cable feedthrough panel with strip 19"/1U	black, RAL 9005	1 pc.
401249	Cable feedthrough panel with strip 19"/1U	stainless steel, blank	1 pc.
400300	19" cable shelf, depth adjustable due to slide rails (from 520 mm up to 850 mm)		1 pc.
470038	Labelling strip (for complete management panel with bracket type 1411480)		1 pc.
470039	Labelling strip (for complete management panel with bracket type 1411481 or 1411482)		1 pc.

You will find the data sheet at [www.cabling.datwyler.com](http://www.cabling.datwyler.com) / Products.

## Consolidation Point boxes 24-, 12- and 6-port

24-port, 12-port or 6-port front plates



Article No.	Description	Colour	PU
417483	Consolidation Point box, 12-port (delivery without front plate)	metal	1 pc.
417484	Front plate FP 12x MGK for Consolidation Point box 12-port	metal	1 pc.
417487	Consolidation Point box 6-port (delivery without front plate)	metal	1 pc.
417488	Front plate FP 6x MGK for Consolidation Point box 6-port	metal	1 pc.
417489	Consolidation Point box 24-port (delivery without front plate)	metal	1 Stk.
417490	Front plate FP 24x MGK for Consolidation Point box 24-port	metal	1 Stk.
417485	Lock for Consolidation Point box, keyed alike	metal	1 pc.

You will find the data sheets at [www.cabling.datwyler.com/Products](http://www.cabling.datwyler.com/Products).

## Patch cords, shielded RJ45/RJ45 Cat.6<sub>A</sub> (IEC) 500 MHz



Length	Article No. RJ45 patch cord Cat.6 <sub>A</sub> , shielded, wiring 1:1 (with CU 7702 4P flex FRNC/LSOH <sup>1)</sup> Cat.7)					
	grey	green	yellow	red	blue	orange
0.5 m	653503	653553	653603	653653	653703	(653753)*
1.0 m	653508	653558	653608	653658	653708	653758
1.5 m	653509	653559	653609	653659	653709	(653759)*
2.0 m	653510	653560	653610	653660	653710	653760
2.5 m	653511	653561	653611	653661	653711	(653761)*
3.0 m	653512	653562	653612	653662	653712	653762
4.0 m	653514	653564	653614	653664	653714	(653764)*
5.0 m	653516	653566	653616	653666	653716	653766
6.0 m	653518	653568	653618	653668	653718	(653768)*
7.0 m	653520	653570	653620	653670	653720	653770
8.0 m	653522	653572	653622	653672	653722	(653772)*
9.0 m	653524	653574	653624	653674	653724	(653774)*
10.0 m	653526	653576	653626	653676	653726	(653776)*
12.5 m	653527	653577	653627	653677	653727	(653777)*
15.0 m	653528	653578	653628	653678	653728	(653778)*
20.0 m	653530	653580	653630	653680	653730	(653780)*

Note: Products marked with (\*) and lengths up to 100 m are not on stock but can be delivered at short notice. Please do not hesitate to contact us.

<sup>1)</sup> FRNC/LSOH = Flame Retardant Non Corrosive / Low Smoke Zero Halogen

You will find the data sheets at [www.cabling.datwyler.com/Products](http://www.cabling.datwyler.com/Products).

## Cable clips 2D

for labelling of patch cords



Article No.	Description	PU
400312	Cable clip 2D (to be attached to existent patch cords) without self-laminating label (1 set = 50 pcs.)	1 set

### Patch cord with pre-assembled cable clips 2D

Note: Please order the requested patch cord separately - and please do not forget to mention the requested Cable clip 2D version when ordering!

400310	Cable clip 2D with label with standard serial number and 2D bar code (2 pcs. per patch cord, pre-assembled)	1 pc.
400311	Cable clip 2D with label with customised text (2 pcs. per patch cord, pre-assembled)	1 pc.

You will find the data sheets at [www.cabling.datwyler.com/Products](http://www.cabling.datwyler.com/Products).

## Network racks

19"/25U, 43U



Article No.	Description	Colour (similar to)	PU
309214	Network rack PX 19"/25U 1300 x 600 x 800 mm	grey, RAL 7035	1 pc.
309215	Network rack PX 19"/43U 2100 x 800 x 800 mm	grey, RAL 7035	1 pc.
309216	Network rack PX 19"/43U 2100 x 800 x 1000 mm	grey, RAL 7035	1 pc.

You will find the data sheet and more racks at [www.cabling.datwyler.com/Products](http://www.cabling.datwyler.com/Products).

## Wall mounted racks

19"/9U, 12U, 15U

### Mini rack

19"/18U



Article No.	Description	Colour (similar to)	PU
190828	Wall mounted rack 19"/9U 475 x 570 x 400 mm	grey, RAL 7035	1 pc.
190829	Wall mounted rack 19"/9U 475 x 570 x 500 mm	grey, RAL 7035	1 pc.
190830	Wall mounted rack 19"/12U 600 x 570 x 400 mm	grey, RAL 7035	1 pc.
190831	Wall mounted rack 19"/12U 600 x 570 x 500 mm	grey, RAL 7035	1 pc.
190832	Wall mounted rack 19"/15U 750 x 570 x 400 mm	grey, RAL 7035	1 pc.
190833	Wall mounted rack 19"/15U 750 x 570 x 500 mm	grey, RAL 7035	1 pc.
190834	Mini rack 19"/18U 910 x 570 x 600 mm	grey, RAL 7035	1 pc.

You will find the data sheet and more cabinets at [www.cabling.datwyler.com/Products](http://www.cabling.datwyler.com/Products).

## Accessories for network racks and wall mounted racks

Article No.	Description	Colour (similar to)	PU
401240	19" blank plate, 1U	grey, RAL 7035	1 pc.
401243	19" blank plate, 2U	grey, RAL 7035	1 pc.

You will find the data sheet at [www.cabling.datwyler.com/Products](http://www.cabling.datwyler.com/Products).

## Factory-assembled copper data cables

Datwyler's copper flex trunks (6-fold, 8-fold, 12-fold) are extremely slim and easy to handle.

You will find the data sheets at [www.cabling.datwyler.com/Products](http://www.cabling.datwyler.com/Products).



## We will be happy to advise you!

### SWITZERLAND

**Dätwyler Cabling Solutions AG**  
 Gotthardstrasse 31  
 6460 Altdorf  
 T +41 41 875-1268  
 F +41 41 875-1986  
[info.cabling.ch@datwyler.com](mailto:info.cabling.ch@datwyler.com)  
[www.cabling.datwyler.com](http://www.cabling.datwyler.com)

### AUSTRIA

**Dätwyler Cables GmbH**  
**Office Austria**  
 Liebermannstraße A02 403  
 2345 Brunn am Gebirge  
 T +43 1 8101641-0  
 F +43 1 8101641-35  
[info.cabling.at@datwyler.com](mailto:info.cabling.at@datwyler.com)  
[www.cabling.datwyler.com](http://www.cabling.datwyler.com)

### GERMANY

**Dätwyler Cables GmbH**  
 Auf der Roos 4-12  
 65795 Hattersheim  
 T +49 6190 8880-0  
 F +49 6190 8880-80  
[info.cabling.de@datwyler.com](mailto:info.cabling.de@datwyler.com)  
[www.cabling.datwyler.com](http://www.cabling.datwyler.com)

### Dätwyler Cables GmbH

Lilienthalstraße 17  
 85399 Hallbergmoos  
 T +49 811 998633-0  
 F +49 811 998633-30  
[info.cabling.de@datwyler.com](mailto:info.cabling.de@datwyler.com)  
[www.cabling.datwyler.com](http://www.cabling.datwyler.com)

### UNITED ARAB EMIRATES

**Datwyler Middle East FZE**  
 P. O. Box 263480  
 Office No. 601, 6th Floor,  
 Jafza 19 View  
 Jebel Ali Free Zone  
 Dubai  
 T +971 4 8810239  
 F +971 4 8810238  
[info.cabling.ae@datwyler.com](mailto:info.cabling.ae@datwyler.com)  
[www.cabling.datwyler.com](http://www.cabling.datwyler.com)

### Datwyler Cabling Solutions LLC

Unit 1004 & 1005, 10th Floor, IB Tower  
 Business Bay  
 Dubai  
 T +971 4 4228129  
 F +971 4 4228096  
[info.cabling.ae@datwyler.com](mailto:info.cabling.ae@datwyler.com)  
[www.cabling.datwyler.com](http://www.cabling.datwyler.com)

### CHINA

**Datwyler (Suzhou)**  
**Cabling Solutions Co., Ltd.**  
 No. 218, East Beijing Road  
 Taicang Economic Development Zone  
 Jiangsu Province, 215413  
 T +86 512 3306-8066  
 F +86 512 3306-8049  
[info.cabling.cn@datwyler.com](mailto:info.cabling.cn@datwyler.com)  
[www.cabling.datwyler.com](http://www.cabling.datwyler.com)

### SINGAPORE

**Datwyler (Thelma)**  
**Cables+Systems Pte Ltd**  
 30 Toh Guan Road #01-01A  
 608840 Singapore  
 T +65 68631166  
 F +65 68978885  
[info.cabling.sg@datwyler.com](mailto:info.cabling.sg@datwyler.com)  
[www.cabling.datwyler.com](http://www.cabling.datwyler.com)



**DATWYLER**