

LFS | Catalogue 2010/2011



Cable routing systems

THINK CONNECTED.

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Contents

	Planning aid	5
	WDK cable trunking systems, plastic	83
	LKM metal cable trunking systems	137
	SKL skirting trunking systems	157
	VK wiring trunking systems, System Dahl	163
	Rapid 45 plastic device installation trunking systems	187
	Rapid 45 aluminium device installation trunking systems	199
	Rapid 80 GK plastic device installation trunking systems	207
	Rapid 80 GS sheet steel device installation trunking systems	219
	GEK-A aluminium device installation trunking	265
	Accessories for device installation trunking	303
	ISS service pole systems	315
	Device installation	337
	Directories	359



OBO LFS seminars: First-hand knowledge

With a comprehensive programme of training courses and seminars on the subject of cable routing systems, OBO is able to support its customers with specialist knowledge from a single source. Alongside the basic theoretical principles, the programme also deals with practical implementation in everyday applications. Special calculation and application examples round off the comprehensive programme of knowledge transfer.

Invitations to tender, product information and datasheets

We can make life easier for you. With our comprehensive selection of materials designed for practical applications, which provide you with effective support with the planning and calculation of a project. These include:

- Invitations to tender
- Product information
- Information sheets
- Datasheets

These documents are continually updated and can be downloaded at no charge at any time from the Internet download area at www.o-bo.de.












Invitations to tender on the Internet at

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More than 10,000 entries from the KTS, BSS, TBS, LFS, EGS and UFS ranges can be called up free of charge. Regular updates and expansions mean that you always have a comprehensive overview of the OBO products. All the current file formats (PDF, DOC, GAEB, HTML, TEXT, XML, ÖNORM) are available.

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Contents of planning and mounting aids

	General planning aid	6
	WDK cable trunking systems, plastic	13
	LKM metal cable trunking systems	19
	SKL skirting trunking systems	23
	VK wiring trunking system, System Dahl	27
	Rapid 45 device installation trunking, 45 mm system opening	35
	Rapid 80 device installation trunking, 80 mm system opening	41
	Accessories for device installation trunking	53
	Service pole systems	59
	Device installation	65
	Additional information	75



Inclusion of the cable routing systems and metal service poles in the service measures



Specifications for protective measures

If there is a fault, touchable metallic parts must not carry voltage. For this reason it is necessary to carry out appropriate safety measures. These are specified in the currently valid standards. EN 50085-1 and EN 50085-2-1 apply to the setup of the cable routing system, whilst the erection regulations DIN VDE 0100 Parts 410 and 540 apply to the installation (protection measure against dangerous shock currents).

Different installation types in the European standard

The European standard EN 50085-1 takes different installation types into account, as they are used in different countries within the EU. Whilst only equipotential bonding testing was previously required for installation trunking systems, now the listed component standards also require protective conductor functions. This is because, in some countries, it is possible to route insulated cable in trunking.

All the metallic components must be included

EN 50085-1 requires that all the metallic components must be included in the protective measures. The manufacturers must carry out the appropriate tests and document them. OBO installation trunking is also tested and certified by an external testing office – that of the VDE.

Testing the effectiveness by the installation engineers

The erector (installation engineer) must test the effectiveness of the protection measure in accordance with DIN VDE 0100 Part 610

after completion. Ensure the tightening torque of the contact screws on the earthing terminals and the proper mounting of the couplings.

Continuous protection measures

If the trunking is interrupted at a wall penetration, then continuation of the protective measures is required, as, in this case, the trunking is a foreign, conductive part, which spreads through different areas of a building.

With aluminium device installation trunking, the connection between the bases is created using the coupling. The connection between the covers and the device installation trunking is made using the self-contacting cover. This guarantees continuous protection without any additional wiring.

With the LKM metal cable trunking, a connection is made between the cover and the base without an additional earthing cable. The connection between the bases is made via the joint connector. Important: powder-coated metallic covers do not count as mixed construction and are thus not considered as insulating! They should therefore be included in the protective measure. The sheet-steel separating retainers are self-contacting. From the aspect of capacitive coupling and the possible static coupling, the inclusion of metallic device installation trunking covers is included in the planning of the protective conductor function. The shielding measure reduces electro-smog and generally achieves improved EMC protection. Protective conductor connections should be permanent. If there is a change to the system, e.g. for retro-installations, it is important to guarantee the maintenance of the protection functions.



Who needs to observe which standards



OBO as a manufacturer

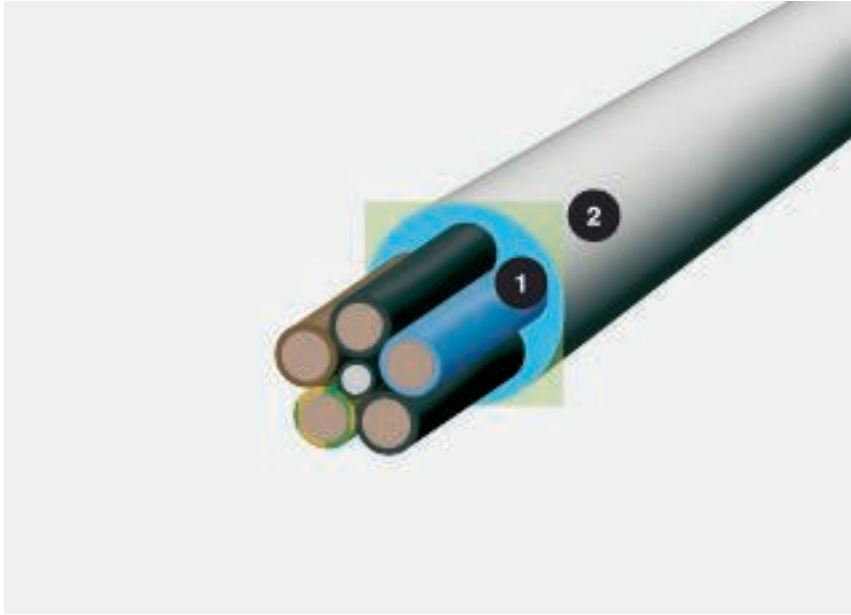
Standard	Title	OBO system
DIN EN 50085-1 Device testing directive	Electrical installation systems for electrical installations, Part 1: General requirements	All systems
DIN EN 50085-2-1	Special requirements for electrical installation trunking systems on walls or ceilings.	WDK, LKM, SKL, GEK-K, GEK-S, GEK-A
prEN 50085-2-2	Special requirements for electrical installation systems for underfloor, flushfloor or on-floor installation.	UFS
DIN EN 50085-2-3	Special requirements for electrical installation trunking systems in distributor cabinets.	VK
prEN 50085-2-4	Special requirements for freestanding installation units.	ISS

The installation engineer as systems engineer

Standard	Title	OBO system
VDE 0100 Part 410	Setup of electrical systems with rated voltages of up to 1,000 V. Protection against electric shock.	All systems
VDE 0100 Part 520	Setup of electrical systems with rated voltages of up to 1,000 V. Cables.	All systems
VDE 0100 Part 540	Setup of electrical systems with rated voltages of up to 1,000 V. Equipotential bonding.	All systems
VDE 0100 Part 610	Setup of electrical systems with rated voltages of up to 1,000 V. First testing of electrical systems before handover to the operator.	All systems
VDE 0298	Setup of electrical systems with rated voltages of up to 1,000 V. Insulated cables in heavy current systems.	All systems
DIN EN 50310	Application of equipotential bonding and earthing in buildings with information technology equipment.	All systems



How can I work out the cable volume



Cable diameter and space required; 1 = diameter in mm, 2 = space required in cm²

An important criterion for the selection of the right trunking size of the underfloor system is the cable volume. As the cables are never packed tightly together or are absolutely parallel, it is not enough to base the volume calculation solely on the cable diameter. A realistic calculation is provided by the formula $(2r)^2$. To simplify your work, we have listed the diameters and space requirements of the most important cable types on this double page. Important: the values are average values, which may vary between manufacturers. Please refer to the manufacturer's specifications for the exact values.

The right choice

The table on this page will help you to select the correct trunking size. Besides the usable cross-section of the appropriate trunking, please observe the current DIN/VDE standards for the fill factor and the approved cable heating.

Calculation using the formula $(2r)^2$

The diameter says little about the actual space required by a cable. Calculate: $(2r)^2$. This value reflects the realistic space requirements, including the compartments.



General planning aids, cable volume table



Insulated power cables

Type	Diameter mm	Useful cross-section cm ²
1 x 4	6.5	0.42
1 x 6	7	0.49
1 x 10	8	0.64
1 x 16	9.5	0.9
1 x 25	12.5	1.56
3 x 1.5	8.5	0.72
3 x 2.5	9.5	0.9
3 x 4	11	1.21
4 x 1.5	9	0.81
4 x 2.5	10.5	1.1
4 x 4	12.5	1.56
4 x 6	13.5	1.82
4 x 10	16.5	2.72
4 x 16	19	3.61
4 x 25	23.5	5.52
4 x 35	26	6.76
5 x 1.5	9.5	0.9
5 x 2.5	11	1.21
5 x 4	13.5	1.82
5 x 6	14.5	2.1
5 x 10	18	3.24
5 x 16	21.5	4.62
5 x 25	26	6.76
7 x 1.5	10.5	1.1
7 x 2.5	13	1.69



Insulated power cables

Type	Diameter mm	Useful cross-section cm ²
1 x 10	10.5	1.1
1 x 16	11.5	1.32
1 x 25	12.5	1.56
1 x 35	13.5	1.82
1 x 50	15.5	2.4
1 x 70	16.5	2.72
1 x 95	18.5	3.42
1 x 120	20.5	4.2
1 x 150	22.5	5.06
1 x 185	25	6.25
1 x 240	28	7.84
1 x 300	30	9
3 x 1.5	11.5	1.32
3 x 2.5	12.5	1.56
3 x 10	17.5	3.06
3 x 16	19.5	3.8
3 x 50	26	6.76
3 x 70	30	9
3 x 120	36	12.96
4 x 1.5	12.5	1.56
4 x 2.5	13.5	1.82
4 x 6	16.5	2.72
4 x 10	18.5	3.42
4 x 16	21.5	4.62
4 x 25	25.5	6.5
4 x 35	28	7.84
4 x 50	30	9
4 x 70	34	11.56
4 x 95	39	15.21
4 x 120	42	17.64
4 x 150	47	22
4 x 185	52	27
4 x 240	58	33.6
5 x 1.5	13.5	1.82
5 x 2.5	14.5	2.1
5 x 6	18.5	3.42
5 x 10	20.5	4.2
5 x 16	22.5	5.06
5 x 25	27.5	7.56
5 x 35	34	11.56
5 x 50	40	16



Telecommunications cables

Type	Diameter mm	Useful cross-section cm ²
2 x 2 x 0.6	5	0.25
4 x 2 x 0.6	5.5	0.3
6 x 2 x 0.6	6.5	0.42
10 x 2 x 0.6	7.5	0.56
20 x 2 x 0.6	9	0.81
40 x 2 x 0.6	11	1.12
60 x 2 x 0.6	13	1.69
100 x 2 x 0.6	17	2.89
200 x 2 x 0.6	23	5.29
2 x 2 x 0.8	6	0.36
4 x 2 x 0.8	7	0.49
6 x 2 x 0.8	8.5	0.72
10 x 2 x 0.8	9.5	0.9
20 x 2 x 0.8	13	1.69
40 x 2 x 0.8	16.5	2.72
60 x 2 x 0.8	20	4
100 x 2 x 0.8	25.5	6.5
200 x 2 x 0.8	32	10.24



IT cables Type Cat...

Type	Diameter mm	Useful cross-section cm ²
Cat. 5	8	0.64
Cat. 6	8	0.64



Coax cable (Standard)

Type	Diameter mm	Useful cross-section cm ²
SAT/BK cable	6.8	0.48



Processing materials with the correct tool

Different materials must be processed differently. Chop saws have proved to be very useful when laying device installation trunking. This allows exact cutting.

Trunking made of PVC and PC/ABS:

- Hand saw, fine-tooth (iron saw)
- Piercing saw with iron or plastic saw blade with fine teeth
- Circular saw with plastic saw blade, 350 mm diameter, 80–108 teeth/inch and 2,800 rpm

Sheet steel and aluminium trunking:

- Ribbon saw with saw ribbon for hard metals
- Circular saw with saw blade for hard metals, 350 mm diameter, 80–108 teeth/inch and 2,800 rpm
- Angle grinder with metal separating disc

Take the length expansion of the materials into account

Different materials expand differently and this must be taken into account. The expansion of the materials PVC, steel and aluminium can be calculated using the formula below.

$$\Delta L = L \cdot \alpha \cdot \Delta T$$

L = Length m

α = Thermal expansion co-efficient

ΔT = Temperature change

Thermal expansion coefficient:

Properties of the hard PVC used

Property	Value	DIN
Material designation	PVC-U-E-D-08-04-28	to DIN 7748
Tensile strength	min. 40 N/mm ²	to DIN 53 455
Crack expansion	min. 85%	to DIN 53 455
Breakdown voltage	min. 20 KV/mm	to DIN 53 481
Surface resistance	min. 1,010 Ohm	to DIN 53 455
Shape heat resistance	min. 75 °C	to DIN 53 400/B
Temperature resistance in the application	max. 65 °C	
Flammability	Level V0	to UL 94
Glow wire test	960 °C	to DIN IEC 695

You can find more details in the chapter "Chemical resistance of hard PVC" in the "Additional information" part.

- Steel: $14 \times 10^{-6}/1 \text{ K}$
- Aluminium: $23.1 \times 10^{-6}/1 \text{ K}$
- Hard PVC: $71 \times 10^{-6}/1 \text{ K}$

Examples

At a temperature difference ΔT of 20°, the 2,000 mm standard length changes as follows:

- For hard PVC, 2.84 mm
- For steel, 0.56 mm
- For aluminium, 0.924 mm

Perfect interplay for more efficient working

Faster and better installation sequences – this is the aim of both ourselves and the manufacturers of electrical devices. Previously used bolt-firing devices have thus become modern nail guns. With its Pulsa 700E, Spit can offer devices of the highest quality for this area of the electrical industry. Many OBO products can be processed particularly efficiently using the devices. This is proved by tests for mounting cable and device installation trunking, carried out with Spit devices.



Colours



RAL, NCS, DB

The wide range of standard colours and the many possible special colours mean that it is possible to integrate the colour of the cable routing systems into any office landscape. The plastic cable trunking and device installation trunking systems are available in the RAL colours pure white (RAL 9010), light grey (RAL 7035), grey (RAL 7030) and cream (RAL 9001) as standard. The device installation trunking systems and service poles are made of sheet steel or aluminium and are available in the standard colours pure white, light grey and cream. Powder coating means that all the other RAL colours are possible on sheet-steel and aluminium trunking. Alternatively to the RAL standard, both NCS and DB colours can be applied on request.





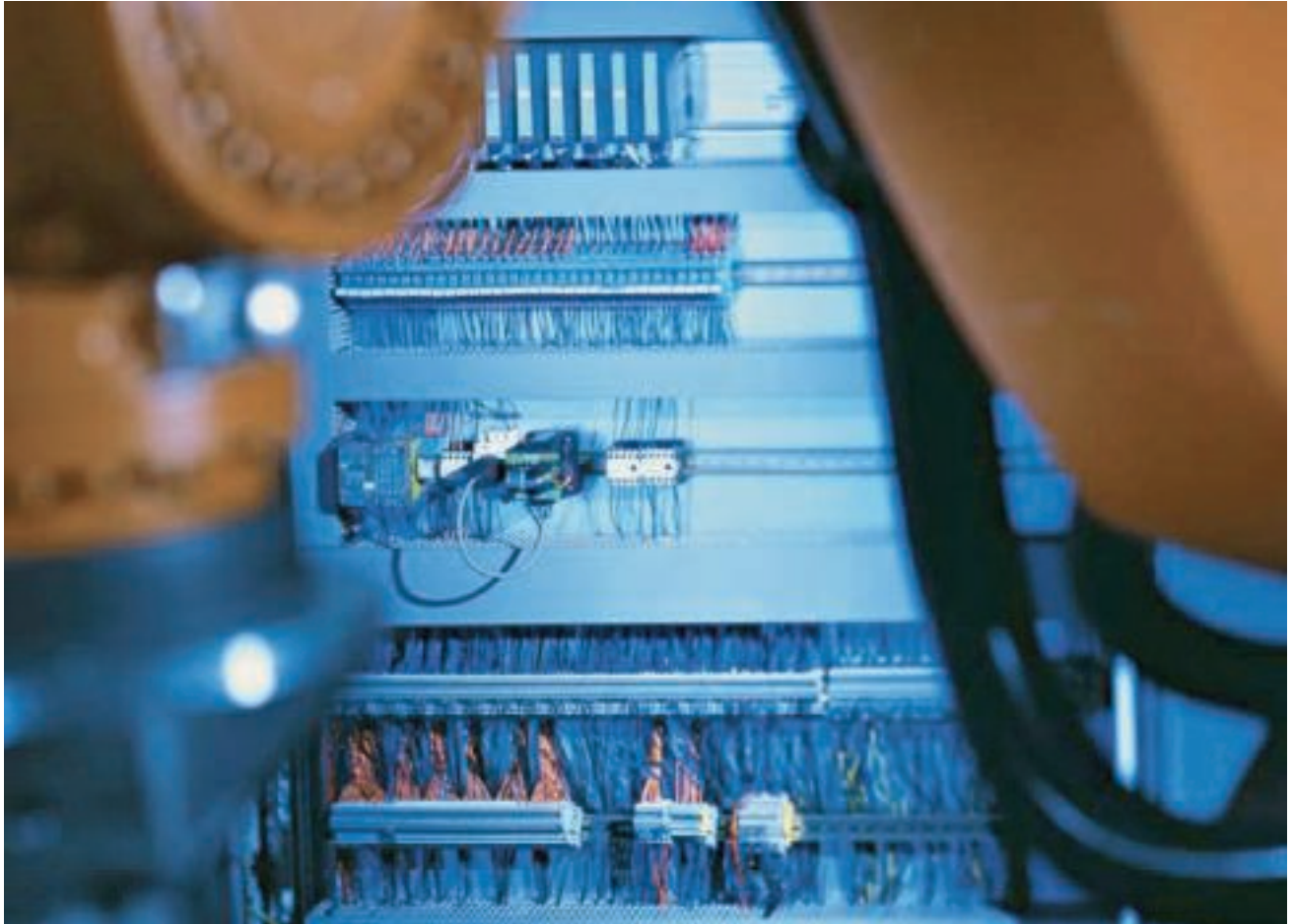
VK wiring trunking systems



Properties of VK wiring trunking system, System Dahl	28
Filling volumes, VK wiring trunking	29
Hole patterns and dimensions	30
Mounting aid, VK wiring trunking	32



Properties of VK wiring trunking system, System Dahl



Advantages of the VK wiring trunking

The Dahl wiring trunking is produced in the known quality – with soft, burr-free slots. Rounded tabs prevent injury during installation. Additional benefits are:

- Stable trunking with large wall thicknesses
 - Exact predetermined breaking points in the strut and base area
 - Absolute dimensional accuracy of the side perforation
 - Absolute dimensional accuracy of the base perforation
 - Starting dimension of the base perforation can be adjusted variably, if requested by the customer.
 - Cut edges rounded and deburred in the closing area
 - VDE-tested
 - UL-tested and listed, UL file No. E301798
 - Special designs on request
- Firm positioning of the covers through optimum closing contours



Filling volumes, VK wiring trunking

Determination of the suitable trunking width

The number of cables, cable types and cross-sections is of key importance for the correct selection of the trunking size. To simplify the selection, the following tables list the maximum filling volumes of the VK trunking for standard cable

types.

Important:

The values in the table are only theoretically calculated values! The following factors are taking into account in the tables:

- Cable entries and exits
- Not currently routed cables
- Cable bundles, concentrations at crossing points

- Temperatures to be expected in the switchgear cabinet
- The installation engineer is responsible for an installation which complies with regulations. We recommend working with a maximum filling factor of 50% during planning.

Max. filling volume (100%) VK trunking according to cable type

VK trunking, Type LK4 - LK4/N	Cable type 0.75 mm ² , d = 2.8 mm	Cable type 1.00 mm ² , d = 2.9 mm	Cable type 1.5 mm ² , d = 3.2 mm
15015	17	16	14
30015	36	34	28
30025	58	54	45
40025	80	74	61
40040	126	118	97
40060	194	181	149
40080	261	244	200
40100	329	307	252
60015	75	70	57
60025	122	113	93
60040	195	182	150
60060	296	276	227
60080	397	370	304
60100	499	466	382
60120	600	560	460
80025	164	153	126
80040	263	245	202
80060	398	371	305
80080	533	497	408
80100	669	624	512
80120	804	750	616

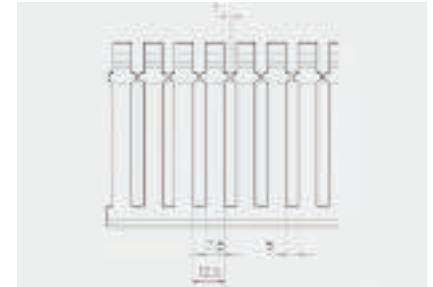
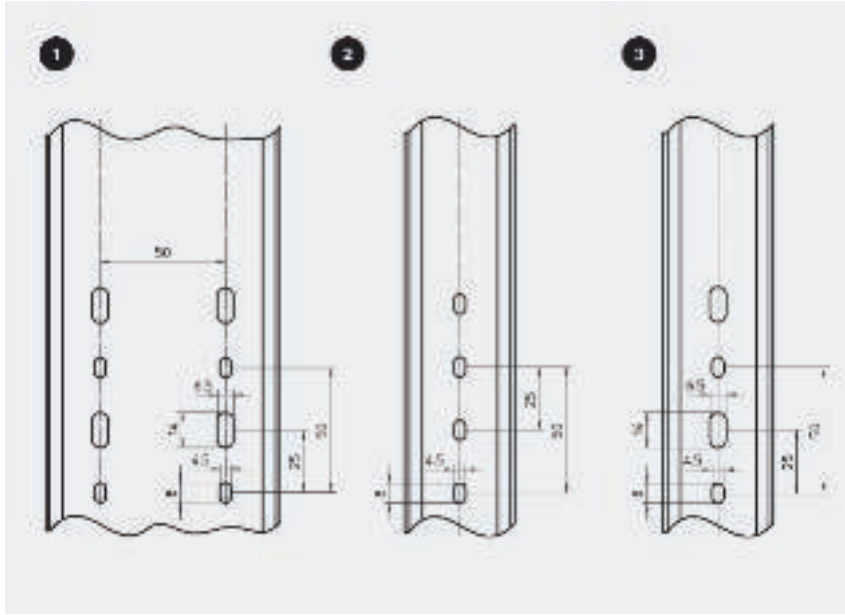
Max. filling volume (100%) VK trunking according to cable type

VK trunking, Type LKV - LKV/N	Cable type 0.75 mm ² , d = 2.8 mm	Cable type 1.00 mm ² , d = 2.9 mm	Cable type 1.5 mm ² , d = 3.2 mm
25025	36	34	28
37025	58	54	45
37037	94	88	72
50025	80	75	61
50037	129	120	99
50050	178	166	136
50075	273	255	209
75025	123	114	94
75037	192	179	147
75050	267	249	204
75075	417	388	318
75100	560	522	428
75125	596	556	456
10037	258	240	198
10050	356	332	272
10075	560	522	428
100100	712	664	544

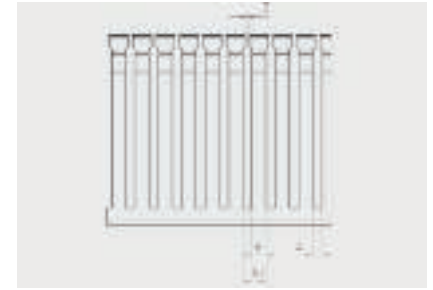




Hole patterns and dimensions



LKV

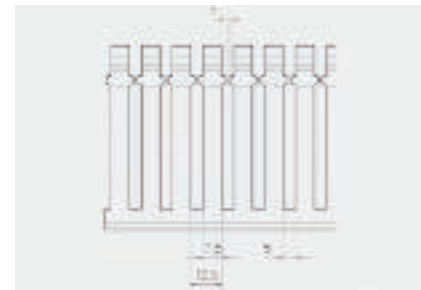
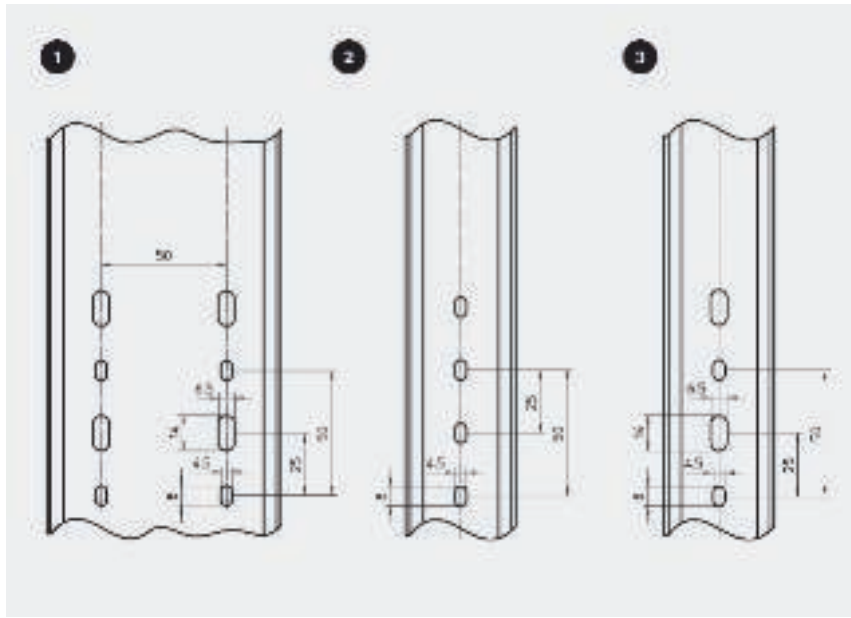


LK4

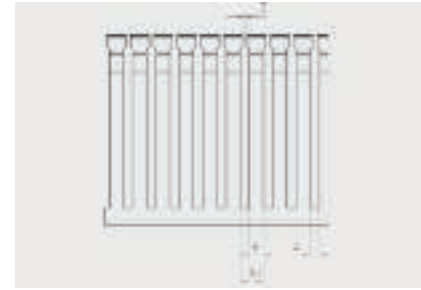
LK4/LK4/N	Item no.	Hole pattern
LK4 15015	6178001	2
LK4 30015	6178003	2
LK4 30025	6178005	3
LK4 40025	6178010	3
LK4 40040	6178012	3
LK4 40060	6178014	3
LK4 40080	6178016	1
LK4 40100	6178018	1
LK4 60015	6178026	2
LK4/N 60015	6178201	2
LK4 60025	6178028	3
LK4/N 60025	6178203	3
LK4 60040	6178031	3
LK4/N 60040	6178205	3
LK4 60060	6178033	3
LK4/N 60060	6178207	3
LK4 60080	6178035	1
LK4/N 60080	6178209	1
LK4 60100	6178037	1
LK4/N 60100	6178211	1
LK4 60120	6178039	1
LK4/N 60120	6178213	1

LK4/LK4/N	Item no.	Hole pattern
LK4 80025	6178050	3
LK4/N 80025	6178225	3
LK4 80040	6178052	3
LK4/N 80040	6178227	3
LK4 80060	6178054	3
LK4/N 80060	6178229	3
LK4 80080	6178056	1
LK4/N 80080	6178231	1
LK4 80100	6178059	1
LK4/N 80100	6178233	1
LK4/N 80120	6178236	1
LK4/N 80120	6178236	1
LK4/N 80120	6178236	1

Hole patterns and dimensions



LKV



LK4

Planning aid, wiring trunking



LKV/LKV/N	Item no.	Hole pattern
LKV 25025	6178302	3
LKV 37025	6178305	3
LKV 37037	6178307	3
LKV 50025	6178310	3
LKV 50037	6178312	3
LKV 50050	6178314	3
LKV 50075	6178316	1

LKV/LKV/N	Item no.	Hole pattern
LKV 75025	6178320	3
LKV/N 75025	6178420	3
LKV 75037	6178322	3
LKV 75037	6178422	3
LKV 75050	6178324	3
LKV/N 75050	6178424	3
LKV 75075	6178326	1
LKV/N 75075	6178426	1
LKV 75100	6178328	1
LKV/N 75100	6178428	1
LKV 75125	6178330	1
LKV/N 75125	6178430	1
LKV 10037	6178334	3
LKV/N 10037	6178435	3
LKV 10050	6178336	3
LKV/N 10050	6178437	3
LKV 10075	6178338	1
LKV/N 10075	6178439	1
LKV 100100	6178341	1

LKV/H	Item no.	Hole pattern
LKV/H 50037	6178612	2
LKV/H 50050	6178614	2
LKV/H 50075	6178616	2
LKV/H 75037	6178622	2
LKV/H 75050	6178624	2
LKV/H 75075	6178626	1
LKV/H 75100	6178628	1
LKV/H 75125	6178630	1

Mounting aid, VK wiring trunking



Area of application: distributor cabinet

The VK slotted cable trunking system ensures tidy cable routing in the distributor cabinet.



Wiring trunking installation

The VK slotted cable trunking system is fastened to the mounting plate of the distributor cabinet using spreading rivets. The spreading rivets are installed using the plastic rivet tool.



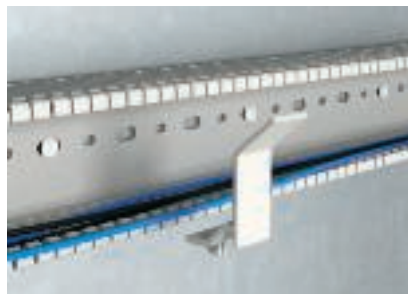
Break-out of retainers

The retainers are bent outwards. When a bend angle of approx. 70–80° is exceeded, they break.



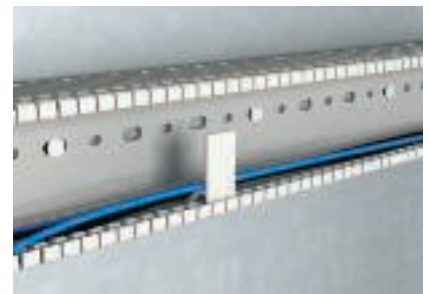
Notching pliers

The side retainers can be removed down to the base of the trunking using the release pliers. When the side retainers have been broken out, there is no loss in volume in the transfer area to the next trunking.



Wire retainers

The wire retainers can be adjusted according to the trunking width. To do this, simply break off the wire retainer at the predetermined breaking points. This means that just one wire retainer is necessary for any trunking width.



Wire retainer installation

The wire retainer is inserted into the side slot of the VK slotted cable trunking system. This simplifies cable installation and keeps the cables in place in the VK slotted cable trunking system. It also guarantees easy attachment of the cover. If installations are required at a later date, then, when the cover is removed, the cables are held in the trunking and do not fall out.



Wire holding lugs

In the N versions, there is a holding lug on the side retainer, allowing fixing of the cables in the VK slotted cable trunking system.



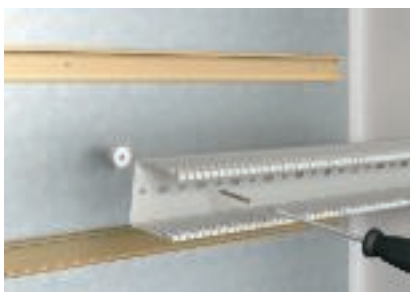
Cover contour LK4

True to size processing enables easy mounting and removal of the cover, despite a firm cover fit.



Cover contour LKV

The special cover contours also guarantee a perfect fit on the LKV slotted cable trunking system.



Spacer installation

The spacer allows raised installation of the VK slotted cable trunking system above the mounting plate.



Spacer installation

The spacers can be connected one on top of the other to allow greater distance to the mounting plate. This allows a certain amount of height variation for any cables to be routed behind the VK wiring trunking system.



Base perforation

Single and dual-track base perforation to DIN 43659 enable precise work.

Mounting aid, VK wiring trunking



Installation complete

The practical dimensions and accessories allow professional installation in the distributor cabinet.



Plastic materials

GUM — Rubber

HP — Hard cardboard

MGUM — Foam rubber

PA — Polyamide

Temperature resistance:
permanently up to approx. 90 °C, briefly up to about 130 °C
and to about minus 40 °C*.

Chem. resistance generally as for polyethylene.

Resistant to

Petrol, benzene, diesel oil, acetone, solvents for paints and lacquers, oils and greases.

Bleach, most acids, chlorine.

Low in air-humid conditions; only with some aqueous salt solutions.
Highly desiccated parts (high temperature and extremely low air humidity) are highly sensitive to fuels and various solvents.

PA/GF — Polyamide, fibreglass reinforced

Temperature resistance:
permanently up to 100–110 °C, briefly up to 160 °C
and to about minus 40 °C*.

Resistant to

Petrol, benzene, diesel oil, acetone, solvents for paints and lacquers, oils and greases.

Slightly susceptible to stress-cracking.

Bleach, most acids, chlorine.

Low in air-humid conditions; only with some aqueous salt solutions.
Highly desiccated parts (high temperature and extremely low air humidity) are highly sensitive to fuels and various solvents.

PE — Polyethylene

Temperature resistance:
hard types permanently up to about 90 °C, briefly up to about 105 °C,
soft types permanently up to about 80 °C, briefly up to about 100 °C and
to about minus 40 °C*.

Resistant to

Alkalis and inorganic acids.

Conditionally resistant to

Acetone, organic acids, petrol, benzene, diesel oil, most oils.

Chlorine, hydrocarbons, oxidising acids.

Relatively high.

Stress cracks can be caused by, among others, acetone, various alcohols, formic acid, ethanol, petrol, benzene, butyric acid, acetic acid, formaldehyde, various oils, petroleum, propanol, nitric acid, hydrochloric acid, sulphuric acid, soap solutions, turpentine, trichloroethylene, citric acid.

PP — Polypropylene

Temperature resistance:
permanently up to approx. 90 °C, briefly up to about 110 °C
and to about minus 30 °C*.

Chem. resistance generally as for polyethylene.

Resistant to

Alkalis and inorganic acids.

Conditionally resistant to

Acetone, organic acids, petrol, benzene, diesel oil, most oils.

Chlorine, hydrocarbons, oxidising acids.

Low, only with some acids such as chromic acid, hydrofluoric acid and hydrochloric acid, as well as nitrogen oxide.

PVC — Polyvinylchloride

Temperature resistance:
permanently up to 65 °C, briefly up to 75 °C and to about minus 30 °C.

Resistant to

Weak acids, alkalis, oils and greases, petrol.

Strong acids, benzene, acetone, iodine, toluene, trichloroethylene.

Low, only with some solvents such as benzene and acetone.

*The minus values apply only for parts in the quiescent condition with no severe impact stress.

There is no plastic that is resistant to every chemical. The agents listed are only a small selection. Plastic parts are especially at risk in the presence of chemicals and high temperatures. Stress cracks may occur. If in doubt, please consult us and/or ask for a detailed chemical resistance table.

Stress crack formation: stress cracks may occur if plastic parts under tension are exposed to chemicals at the same time. Parts made of polystyrene and polyethylene are particularly susceptible. Stress cracks may even be caused by agents to which the plastic in question is resistant in the absence of stress. Typical examples of parts under constant stress when used as intended: grip clips, intermediate supports of cable glands, ribbon clips.



European classification

Classification to EN 50085-1

		WDK Cable trunking	LKM Cable trunking	SKL Skirting trunking	VK Wiring trunking	GEK-K Device installation trunking Rapid 45	GEK-A Device installation trunking Rapid 45	GK Device installation trunking	GS Device installation trunking	GEK-A Device installation trunking	ISS Service pole
6.1	According to material	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2
6.2	According to impact resistance for installation and application		*1								
6.2.1	Electrical installation duct systems for impact energy 0,5 J.	x	*1								
6.2.2	Electrical installation duct systems for impact energy 1 J.		*1								
6.2.3	Electrical installation duct systems for impact energy 2 J.		*1								
6.2.4	Electrical installation duct systems for impact energy 5 J.		*1			x		x			
6.2.5	Electrical installation duct systems for impact energy 20 J.		*1				x		x	x	x
6.3	According to temperature, as specified in the Tables 1, 2 and 3										
	Table 1: Minimum storage and transport temperatures $\pm 2\text{ }^{\circ}\text{C}$										
	-45										
	-25		x				x		x	x	x
	-15		x			x		x			
	-5	x	x		x						
	Table 2: Minimum installation and application temperatures $\pm 2\text{ }^{\circ}\text{C}$										
	-25		x				x		x	x	x
	-15					x		x			
	-5	x									
	+5										
	+15				x						
	Table 3: Maximum application temperatures $\pm 2\text{ }^{\circ}\text{C}$										
	+60	x			x	x	x	x	x	x	x
	+90										
	+105										
	+120										
6.4	According to the resistance against fire spread										
6.4.1	Electrical installation trunking systems which allow the spread of fire	x			x	x		x			
6.4.2	Electrical installation trunking systems which do not permit the spread of fire		x	x			x		x	x	x

x Appropriate classification, *1 in test, *2 under consultation



European classification

Classification to EN 50085-1

		WDK Cable trunking	LKM Cable trunking	SKL Skirting trunking	VK Wiring trunking	GEK-K Device installation trunking Rapid 45	GEK-A Device installation trunking Rapid 45	GK Device installation trunking	GS Device installation trunking	GEK-A Device installation trunking	ISS Service pole
6.5	According to the electrical conductivity										
6.5.1	Electrical installation trunking system with electrical conductivity		x				x		x	x	x
6.5.2	Electrical installation trunking system without electrical conductivity	x		x	x	x		x			
6.6	According to the electrical insulation property										
6.6.1	Electrical installation trunking system without electrical insulation property	x		x	x	x		x			
6.6.2	Electrical installation trunking system with electrical insulation property		x				x		x	x	x
6.7	According to the protection ratings offered by the housing or casing to EN 60529:1991										
6.7.1	According to protection against ingress of solid foreign bodies	x	IP30	x			x	x	x	IP30	IP30
6.7.2	According to protection against ingress of water										
6.7.3	According to protection against contact with dangerous parts										
6.8	According to protection against corrosive or impure substances	*2									
6.9	According to the fastening type of the system trunking cover										
6.9.1	Only open the trunking cover of the electrical installation trunking system without tools	x	x		x						
6.9.2	Only open the trunking cover of the electrical installation trunking system with tools					x	x	x	x	x	
6.10	According to the electrical protection separation										
6.10.1	Electrical installation trunking systems without internal protection separation element		x		x		x		x	x	
6.10.2	Electrical installation trunking systems with internal protection separation element	x				x		x			

x Appropriate classification, *2 under consultation



European classification

Classification to EN 50085-2-1

		WDK Cable trunking	LKM Cable trunking	SKL Skirting trunking	VK Wiring trunking	GEK-K Device installation trunking Rapid 45	GEK-A Device installation trunking Rapid 45	GK Device installation trunking	GS Device installation trunking	GEK-A Device installation trunking	ISS Service pole
6.101.3	Concealed/surface-mounded electrical installation trunking on the wall or ceiling.										
6.101.3.1	Concealed/surface-mounded electrical installation trunking on the wall.	x	x			x	x	x	x	x	
6.101.3.2	Concealed/surface-mounded electrical installation trunking on the ceiling.	x	x			x	x	x	x	x	
6.101.3.3	Electrical installation trunking on the wall and supported by the base.										
6.101.3.4	Electrical installation trunking on the wall and supported by a different horizontal surface to the floor.										
6.101.4	Electrical installation trunking system, mounted at a distance to the wall or ceiling with fastenings.					x	x	x	x	x	
6.102	According to the protection against contact between liquids and insulated cables and parts carrying voltage in the case of skirting trunking and wet cleaning of the floor.										
6.102.1	No data										
6.102.2	Add to the instructions of the manufacturer, which limit the installation position of the electrical installation trunking system.					x	x				
6.102.3	Add to the instructions of the manufacturer, which allow all the installations of the electrical installation trunking system, but limits the layers of insulated cables and parts carrying voltage in the electrical installation trunking system.										
6.102.4	Add to the instructions of the manufacturer, which allow all the installations of the electrical installation trunking system and allows the layers of insulated cables and parts carrying voltage in the electrical installation trunking system.										
6.103	According to type										
6.103.1	Type 1 Electrical installation trunking system										
6.103.2	Type 2 Electrical installation trunking system (distribution electrical installation trunking system)	x	x								
6.103.3	Type 3 Electrical installation trunking system (installation electrical installation trunking system)				x	x	x	x	x	x	

x Appropriate classification



Chemical resistances of hard PVC

A = very good resistance
B = average resistance
C = not resistant

Medium	Temp. °C	Resistance
1.3-benzole disulphonic acid	20	A
1.3-butadiene	20	A
2.4-chlorobenzoyl chloride	20	A
2-amino-2.2-diphenylacetic acid	20	A
4-chlorine-2-nitroaniline	20	C
4-chlorobenzaldehyde-2-sulphonic acid	20	A
5-amino-2-hydroxybenzoic acid	20	A
Abietic acid	20	A
Acetaldehyde 100%	20	C
Acetaldehyde 40%	20	A
Acetaldehyde 40%	40	B
Acetaldehyde, acetic acid ratio 90:10	20	B
Acetanilide 100%	20	A
Acetates (ammonium-, Na- and others)	50	A
Acetic acid 10%	60	A
Acetic acid 100%	20	A
Acetic acid 100%	60	B
Acetic acid 25%	40	A
Acetic acid 25-70%	40	A
Acetic anhydride	20	C
Acetone	20	C
Acetophenone (methyl phenyl ketone)	20	C
Acetylacetone (2.4-pentanedione)	20	C
Acetylene 100%	20	B
Acetylsalicylic acid	20	A
Adipic acid	20	A
Adipic acid	60	B
Alcoholic drinks	< 40	A
Alizarin 100%	20	A
Alkanoic sulphonic acids	50	A
Allyl alcohol 100%	20	B
Allyl alcohol 100%	60	C
Allyl chloride	20	C
Aminobenzene (p-)	20	A
Aminobenzenesulphonic acid (m-, o-, p-)	20	A
Aminosalicic acid (p-)	20	A
Ammonia (vapours of all concentrations)	40	A
Ammonia (vapours of all concentrations)	60	B
Ammonia, anhydrous, liquid	< 60	B
Ammonium hydroxide	60	A
Aniline 100%	20	A
Aniline chloride, saturated solution	20	C
Apple juice	60	A
Ascorbic acid	20	A
Aspartic acid	20	A
Beer	60	A
Benzine, containing benzole	20	C
Benzine, free from aromatic hydrocarbons	60	A
Benzoic acid	40	A
Benzoic anhydride	30	A
Benzole	20	C
Benzophenone 100%	20	C
Benzosulphonic acid	60	A
Benzotrithloride	20	C
Benzotrifluoride	20	C
Benzoylbenzoic acid	20	A
Benzyl chloride	20	C
Betene	20	A
Bleaching liquor, 12% active chlorine	40	A
Bleaching liquor, 12% active chlorine	60	B
Blood	40	A
Boiled oil	60	C
Borates (NA-)	20	A
Borax	40	A
Boric acid	20	A
Brewer's wort	20	A
Brine	60	A
Bromates (K-, Na-)	40	A
Bromic acid	20	A
Bromides (K-, Na- and others)	60	A
Bromine water	20	A
Bromine, gaseous, dry	20	A
Bromine, liquid	20	C
Bromobenzene	20	C
Bromochloromethane	20	C
Bromochloropropane	20	C
Bromoform 100%	20	C
Butane, gaseous, 30%	20	A
Butanediol over 60%	40	B
Butanediol over 60%	20	C
Butanediol to 10%	20	A
Butanol	60	A
Buttermilk	20	A
Butyl acetate	20	C
Butyl butyrate	20	C
Butyl chloride	20	C

A = very good resistance
B = average resistance
C = not resistant

Medium	Temp. °C	Resistance
Butyl glycolate	20	C
Butyl phenoles	20	C
Butyric acid 100%	20	C
Butyric acid 20%	20	A
Butyric acid 20%	60	C
Carbon dioxide	60	A
Carbon disulphide 100%	20	B
Carbon monoxide	60	A
Castor oil	60	A
Chlorates (K-, Na- and others)	20	A
Chlorates (K-, Na- and others)	60	B
Chlorates (K-, Na- and others)	60	A
Chloric acid to 20%	40	A
Chloric acid to 20%	60	B
Chlorides (ammonium-, Na- and others)	20	A
Chlorine cyanide	20	A
Chlorine water (saturated solution)	20	B
Chlorine, gaseous, dry 0.5%	20	A
Chlorine, gaseous, dry 100%	20	B
Chlorine, gaseous, moist 5%	20	B
Chlorine, liquid	20	C
Chloroacetaldehyde	20	C
Chloroacetic acid	20	A
Chloroacetones	20	C
Chloroacetylchloride	20	C
Chloroanilines	20	C
Chlorobenzaldehyde	20	C
Chlorobenzene	20	C
Chlorobenzotrifluoride	20	C
Chlorobenzoylchloride	20	C
Chlorocresoles	20	C
Chloroethylbenzene	20	C
Chloroform	20	C
Chloronaphthalines	20	C
Chloronitrobenzoic acid	20	A
Chromates (K-, Na- to 50%)	50	A
Chrome alum	60	A
Chromic acid	30	A
Chromic acid to 50%	40	A
Citrates (ammonium-, Na)	20	A
Citric acid	20	A
Citric acid	60	B
Cresol	20	C
Cumene	20	C
Cyanacetic acid	20	C
Cyanamide	20	A
Cyanides (K-, Na- to 50%)	60	A
Cyclohexanol	20	C
Cyclohexanone	20	C
Developer	40	A
Dextrose	50	A
Dibromomethylene	20	C
Dibutyl phthalate	20	C
Dibutylxalate	20	C
Dichloroethylene	20	C
Dichloropropylene	20	C
Dichromates (K-, Na-)	50	C
Diethyl ether	20	C
Diethylamine 100%	20	C
Diethylene glycol	60	C
Dimethylether	20	C
Di-n-butylether	20	C
Diotylphthalate	20	C
Dioxan	20	C
Diphenyl	20	C
Diphenylamine	20	C
Ethane	20	A
Ethanol	40	A
Ethanolamine	20	B
Ethyl acetate	20	C
Ethyl acrylate	20	C
Ethyl chloride	20	C
Ethylbenzene	20	C
Ethylene glycol	20	A
Fish oil	20	A
Fixing bath	60	A
Fluorides (ammonium-, K-, Na- and others)	60	A
Fluorine	20	B
Fluorine	60	C
Formaldehyde	60	A
Formamide 100%	20	C
Formiates (ammonium- and others)	20	A
Formic acid 100%	20	B
Formic acid 100%	60	C
Formic acid 50%	40	A
Furfural	20	C



Chemical resistances of hard PVC

A = very good resistance
B = average resistance
C = not resistant

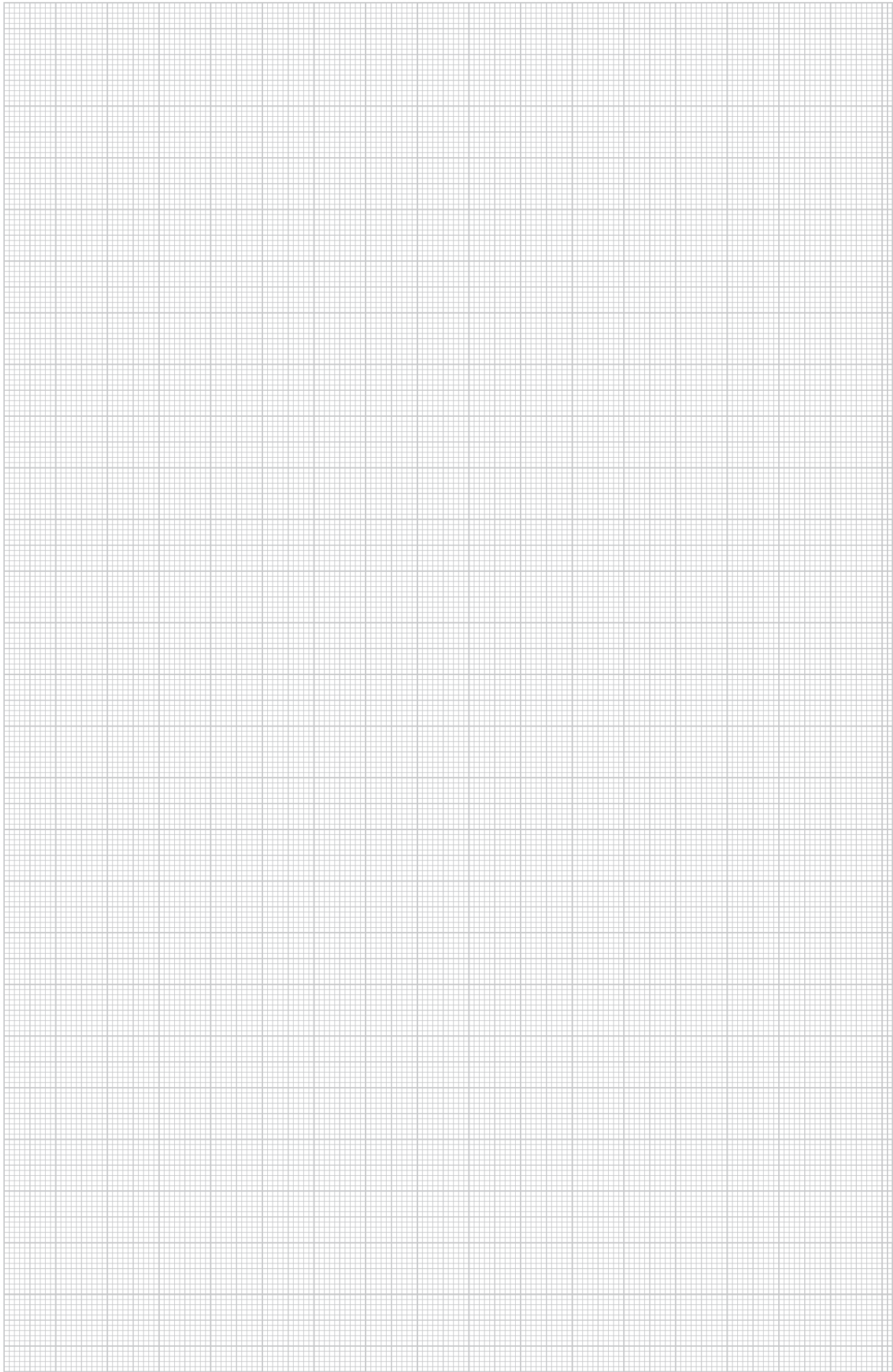
Medium	Temp. °C	Resistance
Furfuryl alcohol	20	C
Gelatine	60	A
Gluconic acid	20	A
Glucose	60	A
Glutamic acid	20	A
Glycerine	60	A
Glycine	40	A
Glycol	60	A
Heptanes	20	A
Hexachloroethane	20	C
Hexacyanoferrates-II (Na-)	40	A
Hexacyanoferrates-III (K-)	40	A
Hexafluorosilicates (ammonium-, K- and others)	60	A
Hexafluorosilicic acid 32%	60	A
Hexamethylenetetramine (urotropine) 40% aqueous solution	60	A
Humic acids	20	A
Hydrazine, diluted solution 100%	20	C
Hydrazine, diluted solution 30%	20	A
Hydrobromic acid to 40%	60	A
Hydrochloric acid to 30%	20	A
Hydrochloric acid to 30%	60	B
Hydrochloric acid to 37%	20	A
Hydrochloric acid to 37%	40	B
Hydrofluoric acid to 40%	40	A
Hydrofluoric acid to 40%	60	B
Hydrogen bromide 100%	20	A
Hydrogen bromide 100%	60	B
Hydrogen chloride (gaseous, dry and moist)	40	A
Hydrogen cyanide	40	A
Hydrogen peroxide to 30%	60	A
Hydrogen peroxide to 90%	20	A
Hydrogen sulphide	60	A
Hydroxides (alkaline-earth metal)	60	A
Hydroxides (K-, Na-)	60	A
Hypochlorites (K-, Na- and others)	60	A
hypochlorous acid	60	A
Illuminating gas	20	A
Iodates (K-, Na- and others)	60	A
Iodides (K-, Na-)	60	A
Iodine	20	C
Isobutylphosphate	20	C
Lactic acid 10%	20	A
Lactic acid 10%	60	C
Lactic acid 100%	20	C
Lard	20	A
Linoleic acid	60	A
Linseed oil	60	A
Malic acid	20	A
Material characteristics		
Methanol 100%	40	A
Methanol 100%	60	B
Methyl bromide	20	C
Methyl chloride	20	C
Methyl methacrylate	20	C
Methylamine	20	B
Methylene dichloride	20	C
Milk	20	A
Mineral oils	60	C
N,N-diethyl aniline	20	C
Naphthalene	20	C
Nitrates (ammonium-, K-, Na- and others)	60	A
Nitric acid 25%	20	A
Nitric acid 25%	60	B
Nitric acid 50%	20	A
Nitric acid 50%	50	B
Nitric acid 95%	20	C
Nitrites (K-, Na- and others)	60	A
Nitrobenzene	20	C
Nitrogen oxide	20	C
Nitroglycerine	20	B
Nitrous acid to 50%	50	A
Nitrous acid to 98%	20	C
Oleic acid	60	A
Oxalates (ammonium-, K-, Na- and others)	60	A
Oxalic acid	40	A
Oxygen	60	A
Ozone 10%	30	A
Ozone 10%	60	B
Palmitic acid	20	A
Paraffin	40	A
Pentyl laurate	20	C
Pentylacetate	20	C

A = very good resistance
B = average resistance
C = not resistant

Medium	Temp. °C	Resistance
Pentylalcohol	60	A
Pentylchloride	20	C
Perbonate (K-)	60	A
Perchlorate	40	A
Perchloric acid 70%	20	A
Permanganate (K-) 6 to 15%	40	A
Permanganate (K-) 6 to 15%	60	B
Permanganate (K-) to 6%	60	A
Peroxymonosulphuric acid (Caro's acid)	20	A
Persulphate (Ammonium-, K-, Na- and others)	40	A
Petroleum	60	A
Phenol 1%	20	A
Phenol 90%	45	B
Phenylhydrazine	20	C
Phenylhydrazine chloride	20	B
Phenylhydrazine chloride	60	C
Phosgene, gaseous	20	A
Phosgene, gaseous	60	B
Phosgene, liquid	20	C
Phosphates (ammonium-, K-, Na- and others)	60	A
Phosphoric acid	40	A
Phosphoric acid	60	B
Phosphorus pentoxide	20	A
Propane	20	A
Propanol	60	A
Pyridine	20	A
Rhodanides (ammonium-, K-, Na- and others)	60	A
Salicylic acid	20	A
Silicates (K-)	20	A
Soap solution	40	A
Stearic acid	60	A
Sulphates (ammonium-, K-, Na- and others)	60	A
Sulphites (ammonium-, K-, Na- and others)	60	A
Sulphur dioxide, gaseous, dry and moist 100%	60	A
Sulphuric acid to 40%	20	C
Sulphuric acid to 50%	50	A
Sulphuric acid to 50%	60	A
Sulphuric acid to 80%	40	C
Sulphuric acid to 80%	60	B
Sulphuric acid to 96%	20	A
Sulphuric acid to 96%	60	B
Sulphuric acid, fuming (10% oleum)	20	C
Sulphurous acid	60	A
Tallow	60	A
Tan bark	20	A
Tar, free from aromatic hydrocarbons	20	A
Tartaric acid	60	A
Tetraethyl lead	60	A
Tetrafluoroboric acid	20	A
Tetrahydrofurane	20	C
Thickness	60	A
Toluene	20	A
Transformer oil	60	A
Trichloroethylene	20	C
Turpentine	20	A
Urea	60	C
Vegetable oils	40	A
Vinyl acetate	20	C
Viscose spinning solutions	60	A
Water	40	A
Water	60	B
Wine	40	A
Wine vinegar	50	A
Wood tar	20	C
Xylenes	20	C

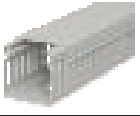
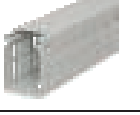



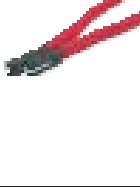
Material properties of the hard PVC used	
Material description according to DIN 7748	PVC-U-E-D-080-04-28
Tensile strength according to DIN 53 455	min. 40 N/mm ²
Elongation at tear according to DIN 53 455	min. 65%
Puncture strength according to DIN 53 481	min. 20 kV/mm
Surface resistance according to DIN 53 482	min. 10 10
Thermoforming resistance according to DIN 53 460/B	min. 75 °C
Temperature resistance in the application max.	65 °C
Flammability	according to UL 94 Level V-0
Hot-wire test	according to DIN IEC 695 960 °C
Material classification	to DIN EN 4102, Class B1 and B2-tested







VK wiring trunking system, System Dahl

	LK4 wiring trunking	15 x 15 mm to 80 x 120 mm	164
	LK4/N wiring trunking with wire retaining lug	60 x 15 mm to 80 x 120 mm	170
	LKV DIN wiring trunking	25 x 25 mm to 100 x 100 mm	174
	LKV/N DIN wiring trunking with wire retaining lug	75 x 25 mm to 100 x 100 mm	179
	LKV/H DIN wiring trunking, halogen-free	50 x 37 mm to 75 x 125 mm	182
	Accessories	Wire retainer	184
		Plastic rivet tool	184
		Release pliers	184
		Spacer	185
		Support rail	185
		Hat profile rail	185



LK4 wiring trunking

VK wiring trunking system, Dahl

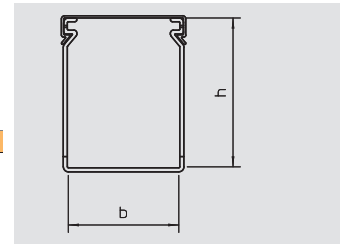


Wiring trunking, type LK4 15015

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 15015	Stone grey	2,000	15x15	72	12.000	6178 00 1

PVC Polyvinylchloride

Wiring trunking including cover and base perforation.

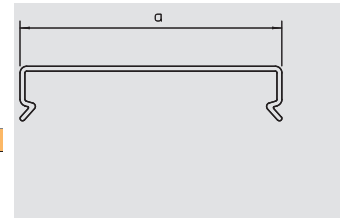


Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 DM 15	Stone grey	15	2,000	92	8.500	6178 47 9

PVC Polyvinylchloride

Trunking cover for replacement requirements.

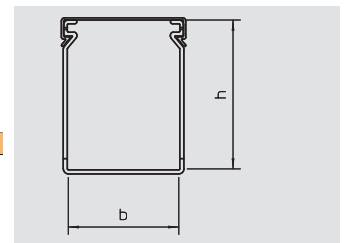


Wiring trunking, type LK4 30015

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 30015	Stone grey	2,000	15x30	40	18.000	6178 00 3

PVC Polyvinylchloride

Wiring trunking including cover and base perforation.

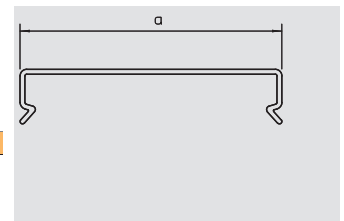


Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 15	Stone grey	15	2,000	92	8.500	6178 48 0

PVC Polyvinylchloride

Trunking cover for replacement requirements.

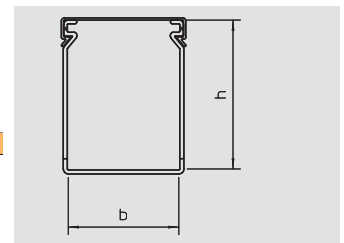


Wiring trunking, type LK4 30025

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 30025	Stone grey	2,000	25x30	48	28.000	6178 00 5

PVC Polyvinylchloride

Wiring trunking including cover and base perforation.

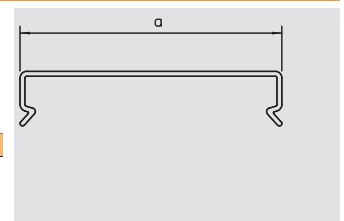


Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 25	Stone grey	25	2,000	32	10.000	6178 48 2

PVC Polyvinylchloride

Trunking cover for replacement requirements.

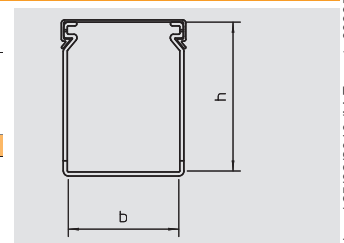


Wiring trunking, type LK4 40025

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 40025	Stone grey	2,000	25x40	48	36.500	6178 01 0

PVC Polyvinylchloride

Wiring trunking including cover and base perforation.

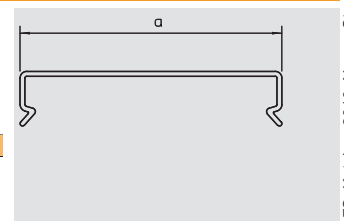


Cover

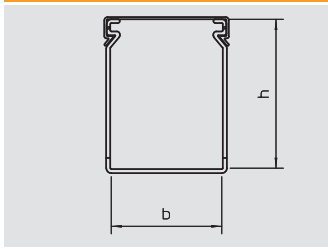
Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 25	Stone grey	25	2,000	32	10.000	6178 48 2

PVC Polyvinylchloride

Trunking cover for replacement requirements.



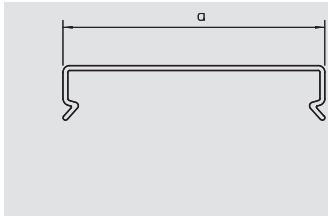
06 LFS_Katalog_2010_Neuer_Stand / en / 25/02/2010 (LLExpert_00995)



Wiring trunking, type LK4 40040

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 40040	Stone grey	2,000	40x40	36	44.000	6178 01 2

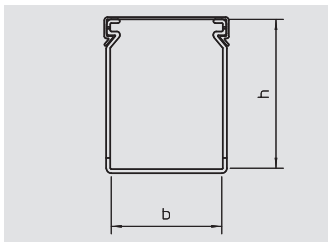
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 40	Stone grey	40	2,000	24	13.500	6178 48 4

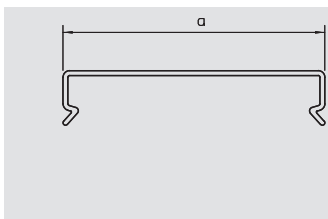
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4 40060

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 40060	Stone grey	2,000	60x40	24	57.000	6178 01 4

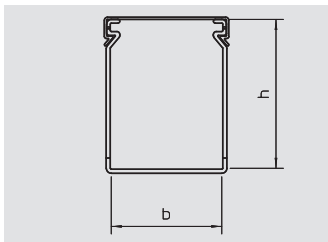
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 60	Stone grey	60	2,000	40	18.000	6178 48 6

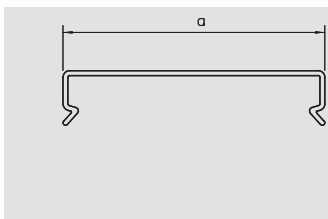
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4 40080

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 40080	Stone grey	2,000	80x40	24	71.000	6178 01 6

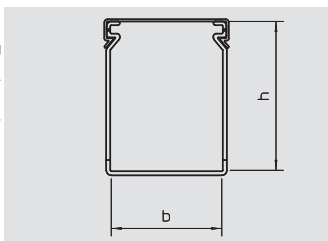
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 80	Stone grey	80	2,000	12	27.000	6178 48 8

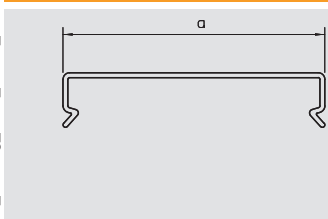
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4 40100

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 40100	Stone grey	2,000	100x40	24	85.500	6178 01 8

PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 100	Stone grey	100	2,000	12	35.500	6178 49 0

PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



LK4 wiring trunking

VK wiring trunking system, Dahl

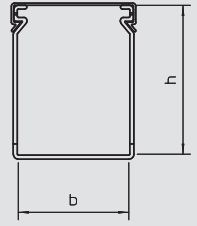


Wiring trunking, type LK4 60015

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 60015	Stone grey	2,000	15x60	48	32.500	6178 02 6

PVC Polyvinylchloride

Wiring trunking including cover and base perforation.

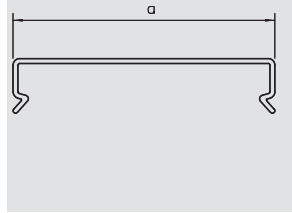


Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 15	Stone grey	15	2,000	92	8.500	6178 48 0

PVC Polyvinylchloride

Trunking cover for replacement requirements.

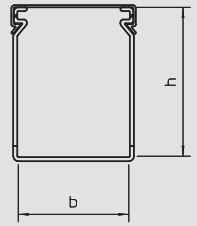


Wiring trunking, type LK4 60025

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 60025	Stone grey	2,000	25x60	32	46.000	6178 02 8

PVC Polyvinylchloride

Wiring trunking including cover and base perforation.

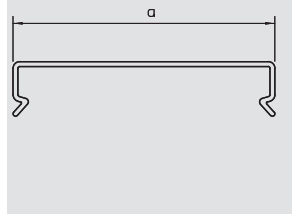


Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 25	Stone grey	25	2,000	32	10.000	6178 48 2

PVC Polyvinylchloride

Trunking cover for replacement requirements.

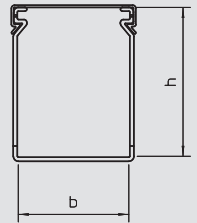


Wiring trunking, type LK4 60040

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 60040	Stone grey	2,000	40x60	24	53.500	6178 03 1

PVC Polyvinylchloride

Wiring trunking including cover and base perforation.

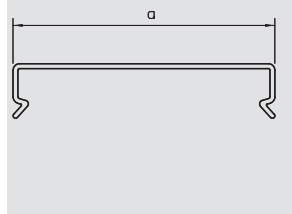


Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 40	Stone grey	40	2,000	24	13.500	6178 48 4

PVC Polyvinylchloride

Trunking cover for replacement requirements.

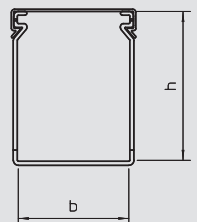


LK4 wiring trunking, type LK4 60060

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 60060	Stone grey	2,000	60x60	32	64.500	6178 03 3

PVC Polyvinylchloride

Wiring trunking including cover and base perforation.

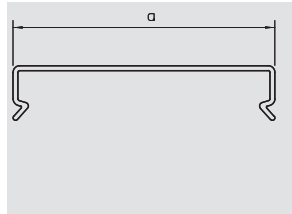


Cover

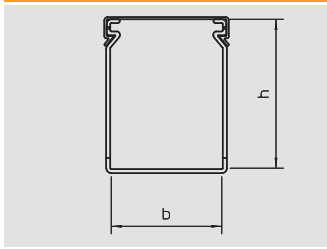
Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 60	Stone grey	60	2,000	40	18.000	6178 48 6

PVC Polyvinylchloride

Trunking cover for replacement requirements.



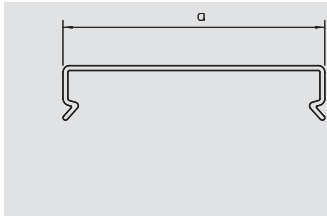
06 LFS_Katalog_2010_Neuer_Stand / en / 25/02/2010 (LLExpert_00995)



Wiring trunking, type LK4 60080

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 60080	Stone grey	2,000	80x60	24	82.500	6178 03 5

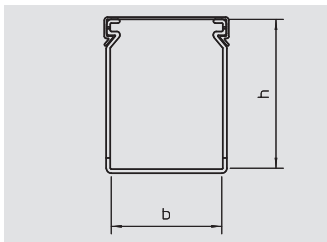
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation.



Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 80	Stone grey	80	2,000	12	27.000	6178 48 8

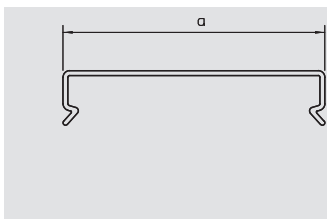
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4 60100

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 60100	Stone grey	2,000	100x60	16	100.000	6178 03 7

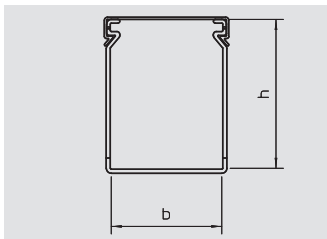
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation.



Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 100	Stone grey	100	2,000	12	35.500	6178 49 0

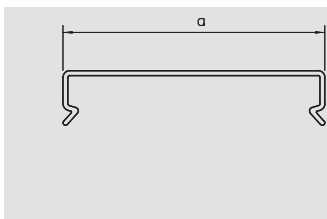
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4 60120

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 60120	Stone grey	2,000	120x60	8	117.000	6178 03 9

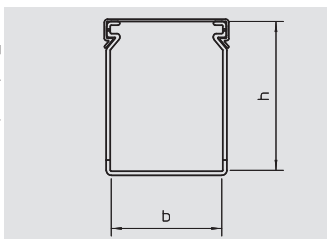
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation.



Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 120	Stone grey	120	2,000	16	45.500	6178 49 2

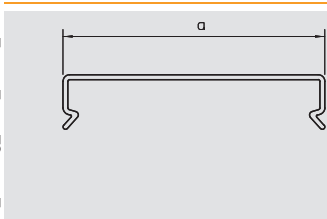
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4 80025

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 80025	Stone grey	2,000	25x80	32	61.000	6178 05 0

PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation.



Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 25	Stone grey	25	2,000	32	10.000	6178 48 2

PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



LK4 wiring trunking

VK wiring trunking system, Dahl

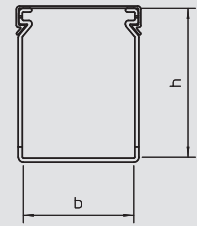


Wiring trunking, type LK4 80040

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 80040	Stone grey	2,000	40x80	24	64.500	6178 05 2

PVC Polyvinylchloride

Wiring trunking including cover and base perforation.

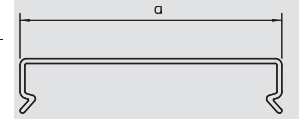


Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 40	Stone grey	40	2,000	24	13.500	6178 48 4

PVC Polyvinylchloride

Trunking cover for replacement requirements.

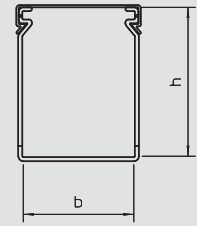


Wiring trunking, type LK4 80060

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 80060	Stone grey	2,000	60x80	24	76.000	6178 05 4

PVC Polyvinylchloride

Wiring trunking including cover and base perforation.

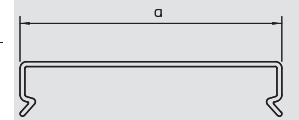


Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 60	Stone grey	60	2,000	40	18.000	6178 48 6

PVC Polyvinylchloride

Trunking cover for replacement requirements.

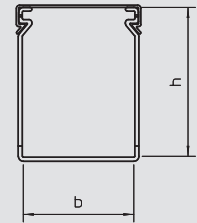


Wiring trunking, type LK4 80080

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 80080	Stone grey	2,000	80x80	16	95.500	6178 05 6

PVC Polyvinylchloride

Wiring trunking including cover and base perforation.

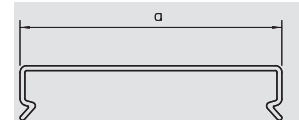


Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 80	Stone grey	80	2,000	12	27.000	6178 48 8

PVC Polyvinylchloride

Trunking cover for replacement requirements.

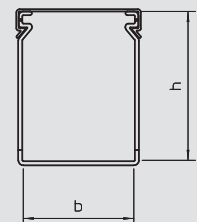


Wiring trunking, type LK4 80100

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 80100	Stone grey	2,000	100x80	16	111.500	6178 05 9

PVC Polyvinylchloride

Wiring trunking including cover and base perforation.

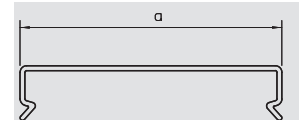


Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 100	Stone grey	100	2,000	12	35.500	6178 49 0

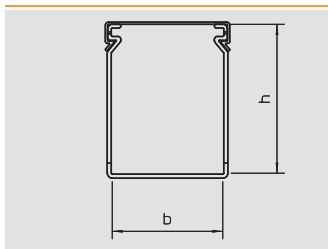
PVC Polyvinylchloride

Trunking cover for replacement requirements.



06 LFS_Katalog_2010_Neuer_Stand / en / 25/02/2010 (LLExpert_00995)

LK4 wiring trunking

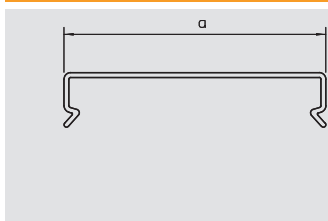


Wiring trunking, type LK4 80120

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 80120	Stone grey	2,000	120x80	8	128.500	6178 06 1

PVC Polyvinylchloride

Wiring trunking including cover and base perforation.



Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 120	Stone grey	120	2,000	16	45.500	6178 49 2

PVC Polyvinylchloride

Trunking cover for replacement requirements.



VK wiring trunking system, Dahl



LK4/N wiring trunking

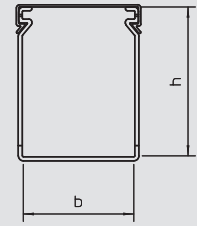
VK wiring trunking system, Dahl



Wiring trunking, type LK4/N 60015

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 N 60015	Stone grey	2,000	15x60	48	41.000	6178 20 1

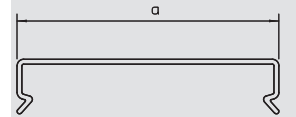
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 15	Stone grey	15	2,000	92	8.500	6178 48 0

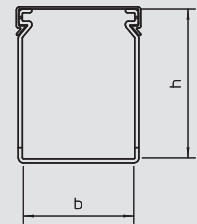
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4/N 60025

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 N 60025	Stone grey	2,000	25x60	32	48.500	6178 20 3

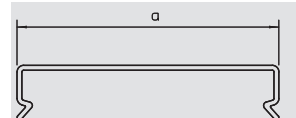
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 25	Stone grey	25	2,000	32	10.000	6178 48 2

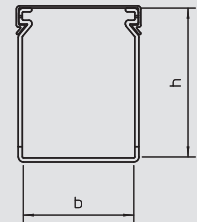
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4/N 60040

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 N 60040	Stone grey	2,000	40x60	24	56.000	6178 20 5

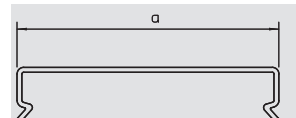
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 40	Stone grey	40	2,000	24	13.500	6178 48 4

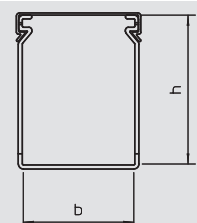
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4/N 60060

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 N 60060	Stone grey	2,000	60x60	32	68.000	6178 20 7

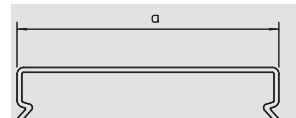
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation, tapering in the side slots stop the cables from falling out.



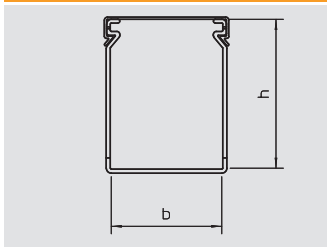
Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 60	Stone grey	60	2,000	40	18.000	6178 48 6

PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



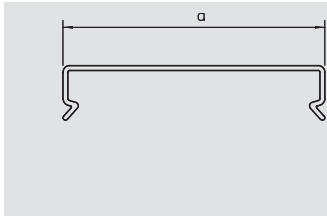
06 LFS_Katalog_2010_Neuer_Stand / en / 25/02/2010 (LLExpert_00995)



Wiring trunking, type LK4/N 60080

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 N 60080	Stone grey	2,000	80x60	24	87.000	6178 20 9

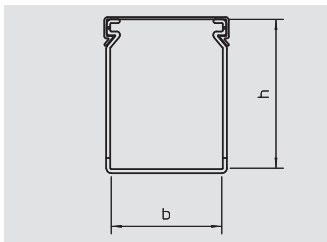
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 80	Stone grey	80	2,000	12	27.000	6178 48 8

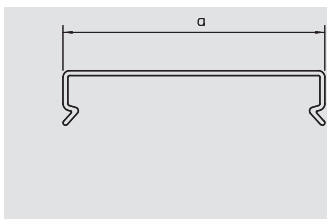
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4/N 60100

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 N 60100	Stone grey	2,000	100x60	16	105.500	6178 21 1

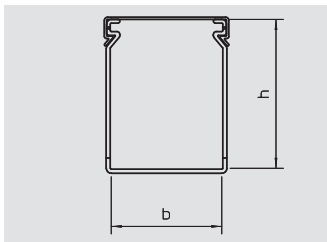
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 100	Stone grey	100	2,000	12	35.500	6178 49 0

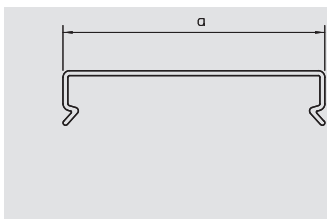
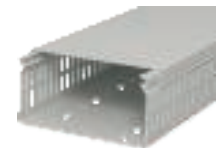
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4/N 60120

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 N 60120	Stone grey	2,000	120x60	8	120.500	6178 21 3

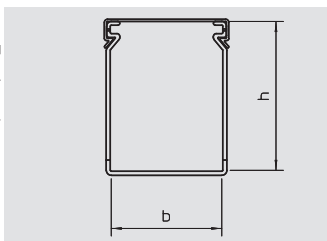
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 120	Stone grey	120	2,000	16	45.500	6178 49 2

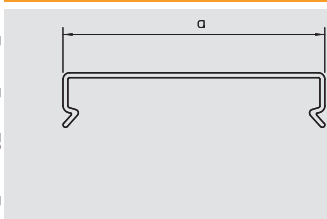
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4/N 80025

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LK4 N 80025	Stone grey	2,000	25x80	32	65.000	6178 22 5

PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LK4 D 25	Stone grey	25	2,000	32	10.000	6178 48 2

PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



LK4/N wiring trunking

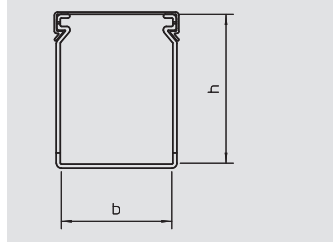
VK wiring trunking system, Dahl



Wiring trunking, type LK4/N 80040

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 N 80040	Stone grey	2,000	40x80	24	73.500	6178 22 7

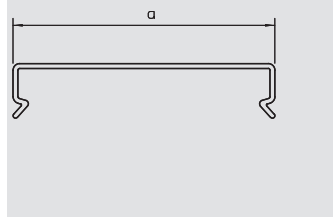
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 40	Stone grey	40	2,000	24	13.500	6178 48 4

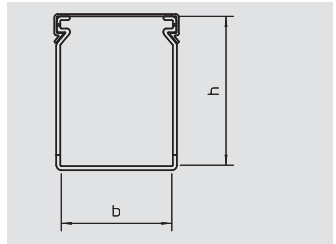
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4/N 80060

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 N 80060	Stone grey	2,000	60x80	24	82.000	6178 22 9

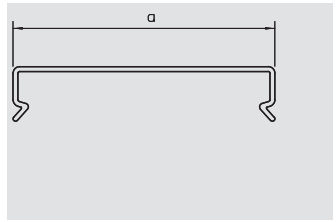
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 60	Stone grey	60	2,000	40	18.000	6178 48 6

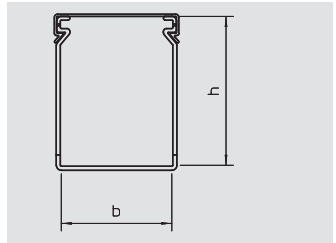
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4/N 80080

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 N 80080	Stone grey	2,000	80x80	16	101.000	6178 23 1

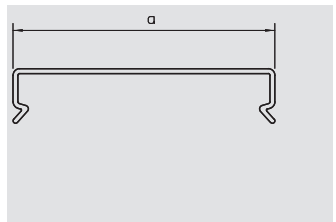
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 80	Stone grey	80	2,000	12	27.000	6178 48 8

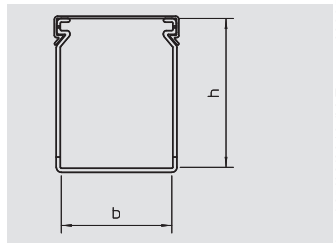
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type LK4/N 80100

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 N 80100	Stone grey	2,000	100x80	16	116.500	6178 23 3

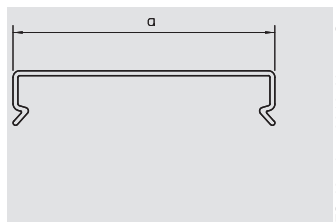
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

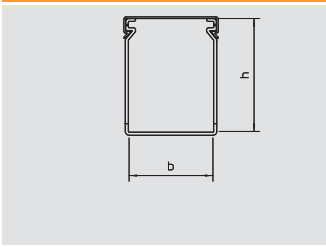
Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 100	Stone grey	100	2,000	12	35.500	6178 49 0

PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



06 LFS_Katalog_2010_Neuer_Stand / en / 25/02/2010 (LLExpert_00995)

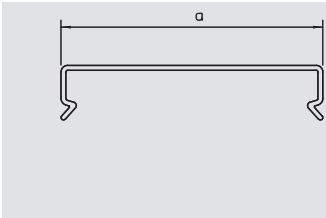
LK4/N wiring trunking



Wiring trunking, type LK4/N 80120

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 N 80120	Stone grey	2,000	120x80	8	133.500	6178 23 6

PVC Polyvinylchloride /m
 Wiring trunking including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LK4 D 120	Stone grey	120	2,000	16	45.500	6178 49 2

PVC Polyvinylchloride /m
 Trunking cover for replacement requirements.



VK wiring trunking system, Dahl



LKV DIN wiring trunking

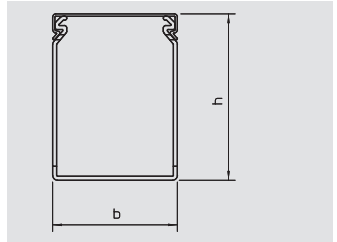
VK wiring trunking system, Dahl



Wiring trunking, type 25025

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 25025	Stone grey	2,000	25x25	32	24.000	6178 30 2

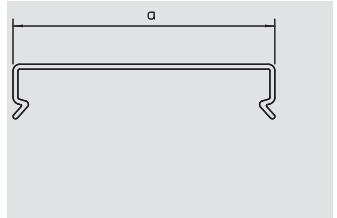
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 25	Stone grey	25	2,000	36	9.500	6178 50 4

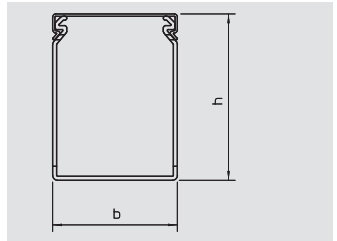
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 37025

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 37025	Stone grey	2,000	25x37,5	32	31.500	6178 30 5

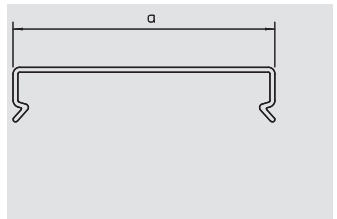
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 25	Stone grey	25	2,000	36	9.500	6178 50 4

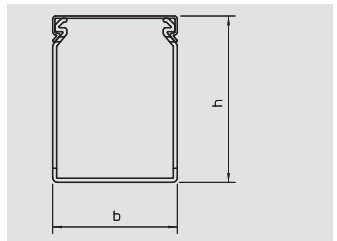
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 37037

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 37037	Stone grey	2,000	37,5x37,5	60	40.500	6178 30 7

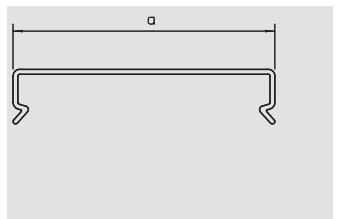
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 37	Stone grey	37,5	2,000	24	15.000	6178 50 6

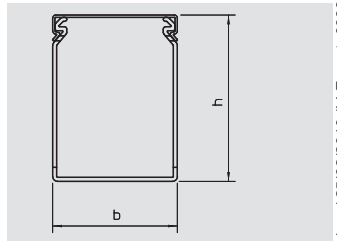
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 50025

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 50025	Stone grey	2,000	25x50	60	35.500	6178 31 0

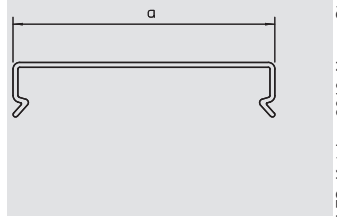
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



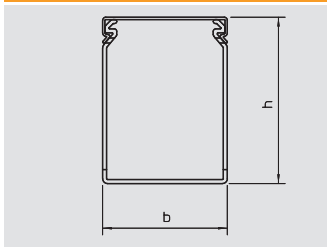
Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 25	Stone grey	25	2,000	36	9.500	6178 50 4

PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



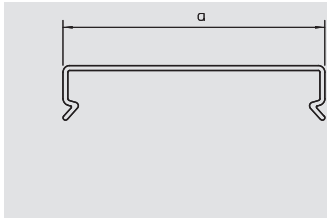
06 LFS_Katalog_2010_Neuer_Stand / en / 25/02/2010 (LLExpert_00995)



Wiring trunking, type 50037

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 50037	Stone grey	2,000	37,5x50	48	44.500	6178 31 2

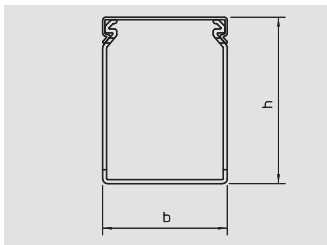
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 37	Stone grey	37,5	2,000	24	15.000	6178 50 6

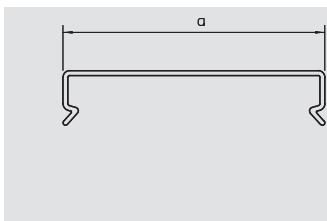
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 50050

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 50050	Stone grey	2,000	50x50	36	50.000	6178 31 4

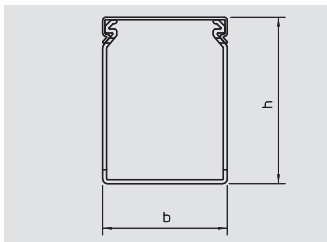
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 50	Stone grey	50	2,000	24	17.500	6178 50 8

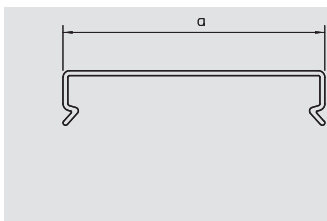
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 50075

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 50075	Stone grey	2,000	75x50	24	66.000	6178 31 6

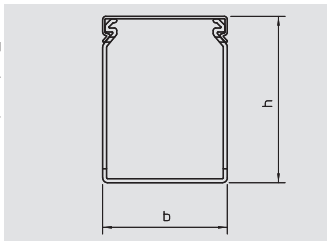
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 75	Stone grey	75	2,000	12	23.000	6178 51 0

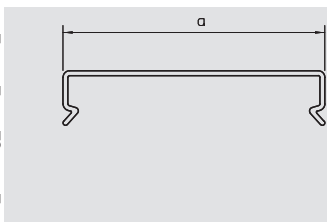
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 75025

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 75025	Stone grey	2,000	25x75	40	48.500	6178 32 0

PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 25	Stone grey	25	2,000	36	9.500	6178 50 4

PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



LKV DIN wiring trunking

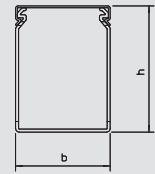
VK wiring trunking system, Dahl



Wiring trunking, type 75037

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 75037	Stone grey	2,000	37,5x75	32	58.500	6178 32 2

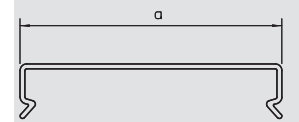
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 37	Stone grey	37,5	2,000	24	15.000	6178 50 6

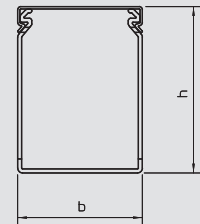
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 75050

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 75050	Stone grey	2,000	50x75	24	67.500	6178 32 4

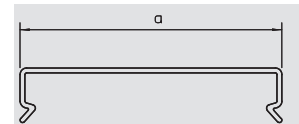
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 50	Stone grey	50	2,000	24	17.500	6178 50 8

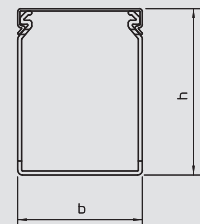
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 75075

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 75075	Stone grey	2,000	75x75	16	80.000	6178 32 6

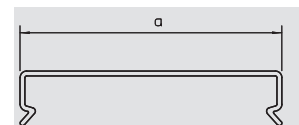
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 75	Stone grey	75	2,000	12	23.000	6178 51 0

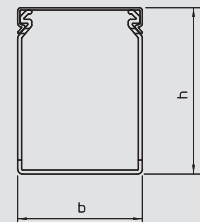
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 75100

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 75100	Stone grey	2,000	100x75	16	105.500	6178 32 8

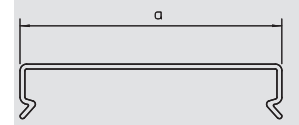
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



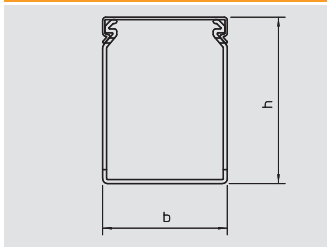
Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 100	Stone grey	100	2,000	12	34.500	6178 51 2

PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



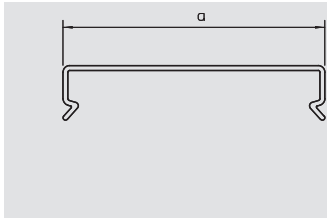
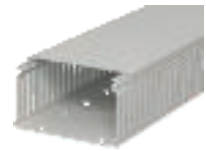
06 LFS_Katalog_2010_Neuer_Stand / en / 25/02/2010 (LLExpport_00995)



Wiring trunking, type 75125

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 75125	Stone grey	2,000	125x75	8	128.500	6178 33 0

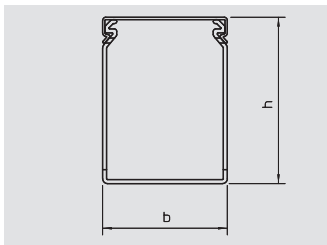
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 125	Stone grey	125	2,000	16	47.000	6178 51 4

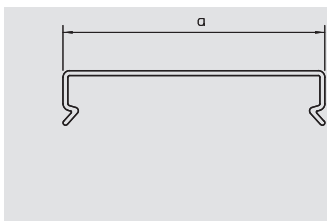
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 10037

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 10037	Stone grey	2,000	37,5x100	32	67.000	6178 33 4

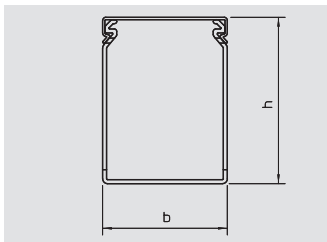
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 37	Stone grey	37,5	2,000	24	15.000	6178 50 6

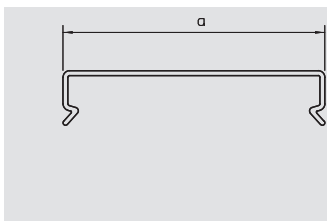
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 10050

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 10050	Stone grey	2,000	50x100	24	77.000	6178 33 6

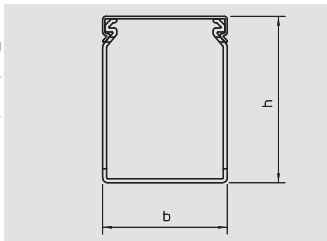
PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 50	Stone grey	50	2,000	24	17.500	6178 50 8

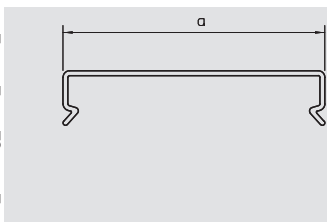
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 10075

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV 10075	Stone grey	2,000	75x100	16	96.000	6178 33 8

PVC Polyvinylchloride /m
Wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 75	Stone grey	75	2,000	12	23.000	6178 51 0

PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



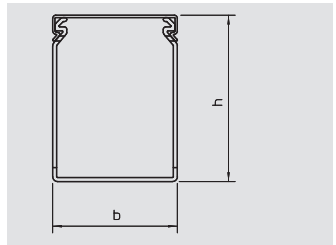
LKV DIN wiring trunking



Wiring trunking, type 100100

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LKV 100100	Stone grey	2,000	100x100	8	116.500	6178 34 1

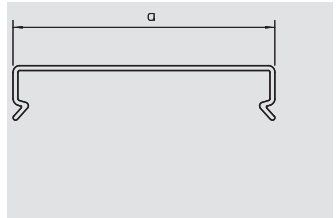
PVC Polyvinylchloride /m
 Wiring trunking including cover and base perforation to DIN EN 50085-2-3.

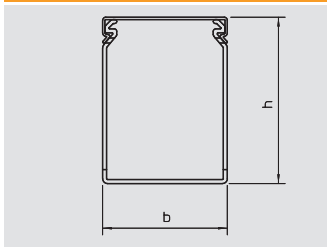


Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LKV D 100	Stone grey	100	2,000	12	34.500	6178 51 2

PVC Polyvinylchloride /m
 Trunking cover for replacement requirements.



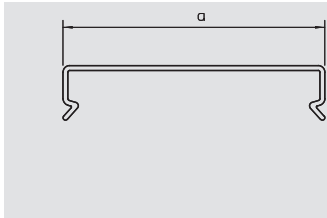


Wiring trunking, type 75025

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV N 75025	Stone grey	2,000	25x75	40	49.500	6178 42 0

PVC Polyvinylchloride /m

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stop the cables from falling out.

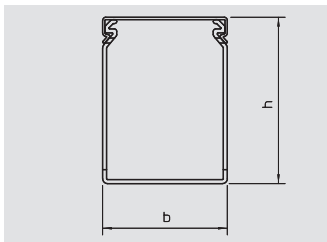


Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 25	Stone grey	25	2,000	36	9.500	6178 50 4

PVC Polyvinylchloride /m

Trunking cover for replacement requirements.

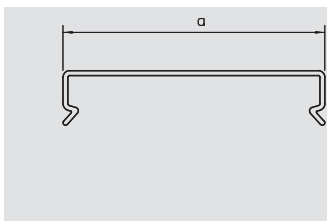


Wiring trunking, type 75037

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV N 75037	Stone grey	2,000	37,5x75	32	60.500	6178 42 2

PVC Polyvinylchloride /m

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stop the cables from falling out.

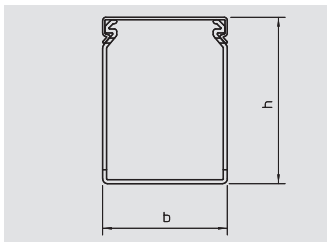


Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 37	Stone grey	37,5	2,000	24	15.000	6178 50 6

PVC Polyvinylchloride /m

Trunking cover for replacement requirements.

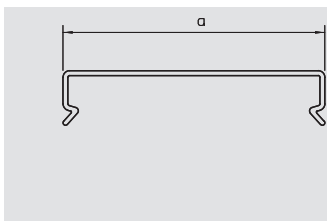


Wiring trunking, type 75050

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV N 75050	Stone grey	2,000	50x75	24	72.500	6178 42 4

PVC Polyvinylchloride /m

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stop the cables from falling out.

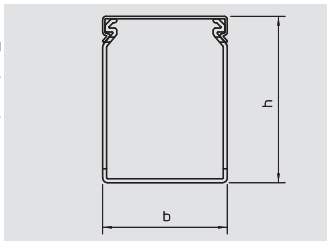


Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 50	Stone grey	50	2,000	24	17.500	6178 50 8

PVC Polyvinylchloride /m

Trunking cover for replacement requirements.

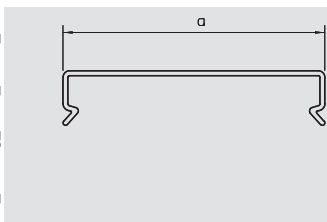


Wiring trunking, type 75075

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV N 75075	Stone grey	2,000	75x75	16	84.500	6178 42 6

PVC Polyvinylchloride /m

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 75	Stone grey	75	2,000	12	23.000	6178 51 0

PVC Polyvinylchloride /m

Trunking cover for replacement requirements.



LKV/N DIN wiring trunking

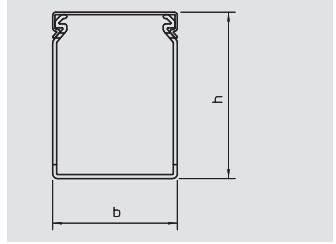
VK wiring trunking system, Dahl



Wiring trunking, type 75100

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV N 75100	Stone grey	2,000	100x75	16	112.000	6178 42 8

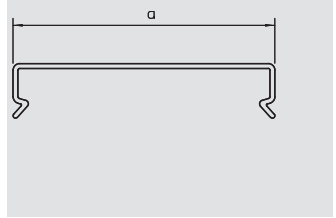
PVC Polyvinylchloride /m
Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 100	Stone grey	100	2,000	12	34.500	6178 51 2

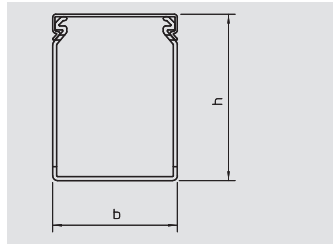
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 75125

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV N 75125	Stone grey	2,000	125x75	8	138.500	6178 43 0

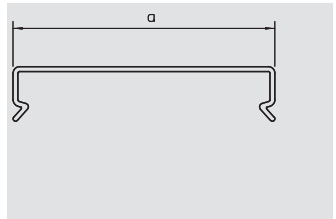
PVC Polyvinylchloride /m
Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 125	Stone grey	125	2,000	16	47.000	6178 51 4

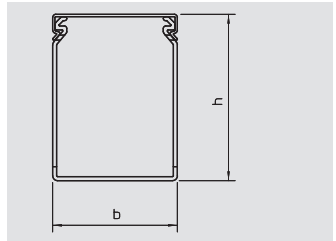
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 10037

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV N 10037	Stone grey	2,000	37,5x100	32	73.000	6178 43 5

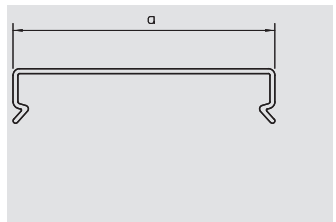
PVC Polyvinylchloride /m
Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 37	Stone grey	37,5	2,000	24	15.000	6178 50 6

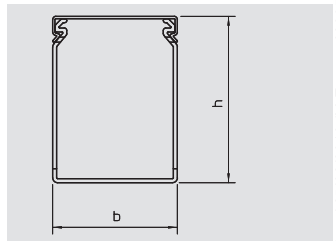
PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



Wiring trunking, type 10050

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV N 10050	Stone grey	2,000	50x100	24	83.000	6178 43 7

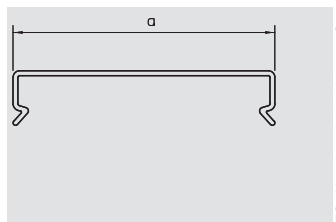
PVC Polyvinylchloride /m
Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

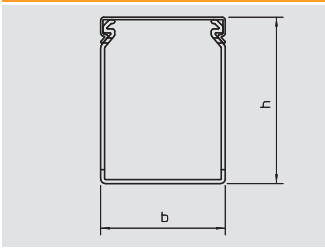
Type	Colour	Dimension a mm	Length mm	Pack. m	Weight kg/100 m	Item No.
LKV D 50	Stone grey	50	2,000	24	17.500	6178 50 8

PVC Polyvinylchloride /m
Trunking cover for replacement requirements.



06 LFS_Katalog_2010_Neuer_Stand / en / 25/02/2010 (LLExpert_00995)

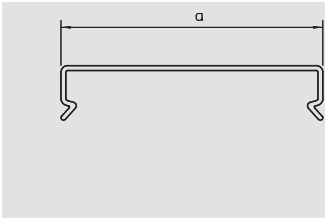
LKV/N DIN wiring trunking



Wiring trunking, type 10075

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LKV N 10075	Stone grey	2,000	75x100	16	102.000	6178 43 9

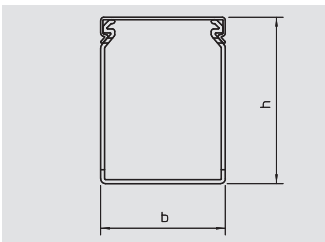
PVC Polyvinylchloride /m
 Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LKV D 75	Stone grey	75	2,000	12	23.000	6178 51 0

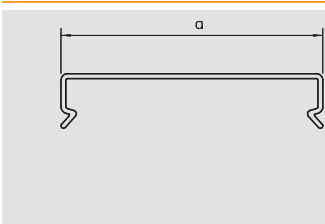
PVC Polyvinylchloride /m
 Trunking cover for replacement requirements.



Wiring trunking, type 100100

Type	Colour	Length	Dimension b x h	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LKV N 100100	Stone grey	2,000	100x100	8	122.500	6178 44 1

PVC Polyvinylchloride /m
 Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stop the cables from falling out.



Cover

Type	Colour	Dimension a	Length	Pack.	Weight	Item No.
		mm	mm	m	kg/100 m	
LKV D 100	Stone grey	100	2,000	12	34.500	6178 51 2

PVC Polyvinylchloride /m
 Trunking cover for replacement requirements.



VK wiring trunking system, Dahl



LKV/H DIN wiring trunking, halogen-free

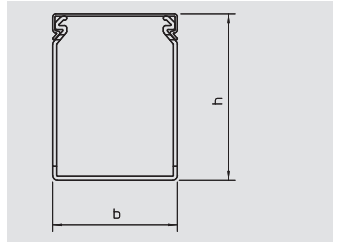
VK wiring trunking system, Dahl



Wiring trunking, type 50037

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV H 50037	Light grey	2,000	37,5x50	32	44.500	6178 61 2

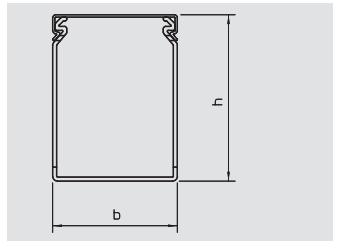
PPO Polyphenylene oxide /m
Halogen-free wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Wiring trunking, type 50050

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV H 50050	Light grey	2,000	50x50	42	50.000	6178 61 4

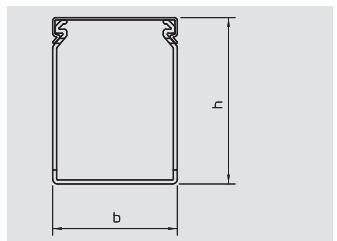
PPO Polyphenylene oxide /m
Halogen-free wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Wiring trunking, type 50075

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV H 50075	Light grey	2,000	75x50	28	65.000	6178 61 6

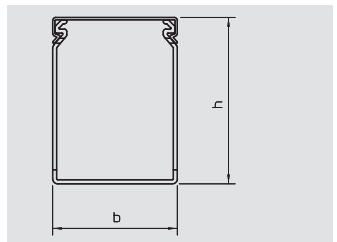
PPO Polyphenylene oxide /m
Halogen-free wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Wiring trunking, type 75037

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV H 75037	Light grey	2,000	37,5x75	24	45.000	6178 62 2

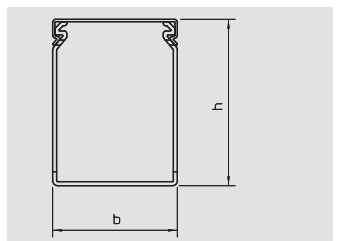
PPO Polyphenylene oxide /m
Halogen-free wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Wiring trunking, type 75050

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV H 75050	Light grey	2,000	50x75	28	65.000	6178 62 4

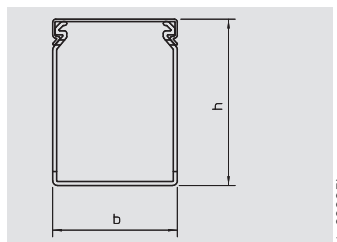
PPO Polyphenylene oxide /m
Halogen-free wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Wiring trunking, type 75075

Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV H 75075	Light grey	2,000	75x75	24	80.000	6178 62 6

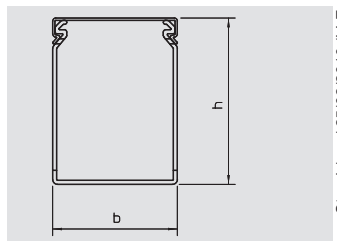
PPO Polyphenylene oxide /m
Halogen-free wiring trunking including cover and base perforation to DIN EN 50085-2-3.



Wiring trunking, type 75100

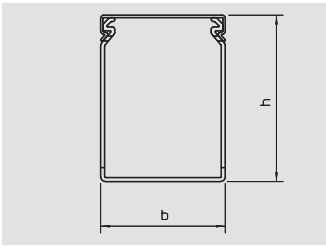
Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV H 75100	Light grey	2,000	100x75	16	105.000	6178 62 8

PPO Polyphenylene oxide /m
Halogen-free wiring trunking including cover and base perforation to DIN EN 50085-2-3.



06 LFS_Katalog_2010_Neuer_Stand / en / 25/02/2010 (LLE:port_00995)

LKV/H DIN wiring trunking, halogen-free

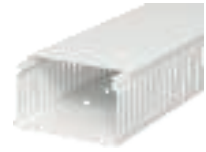


Wiring trunking, type 75125



Type	Colour	Length mm	Dimension b x h mm	Pack. m	Weight kg/100 m	Item No.
LKV H 75125	Light grey	2,000	125x75	16	130.000	6178 63 0

PPO Polyphenylene oxide /m
 Halogen-free wiring trunking including cover and base perforation to DIN EN 50085-2-3.



VK wiring trunking system, Dahl



VK wiring trunking accessories

VK wiring trunking system, Dahl

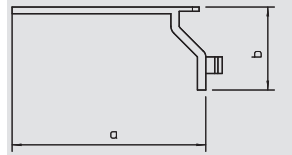


Wire retainer for type LK4 and LK4/N

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LK4 H	Stone grey	56	20	100	0.470	6178 09 2

PS Polystyrene /100 pc.

Wire retainer for wiring trunking, type LK4 and LK4/N. The wire retainer prevents already inserted cables from falling out. These predetermined breaking points allow the length to be reduced for various trunking widths to 38, 28 and 23 mm.

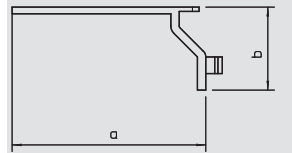


Wire retainer for type LKV and LKV/N

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LKV H	Stone grey	56	20	100	0.470	6178 34 9

PS Polystyrene /100 pc.

Wire retainer for wiring trunking, type LKV and LKV/N. The wire retainer prevents already inserted cables from falling out. These predetermined breaking points allow the length to be reduced for various trunking widths to 38, 28 and 23 mm.

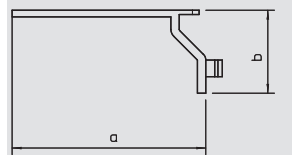


Wire retainer for type LKV/H

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LKV H H	Light grey	56	20	100	0.361	6178 65 0

PS Polystyrene /100 pc.

Wire retainer for halogen-free wiring trunking, type LKV/H. The wire retainer prevents already inserted cables from falling out. These predetermined breaking points allow the length to be reduced for various trunking widths to 38, 28 and 23 mm.

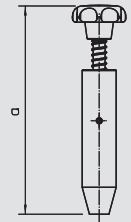


Plastic rivet tool

Type	Dimension a mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
KNW1	150	Black	1	9.300	6178 52 7
KNW2	150	Black	1	9.300	6178 52 9

POM Polyacetal /pc.

Riveting tool for installing body-bound rivets 4.5 mm.



Spreading rivet, KSN 1

Type	Colour	Dimension a mm	Pack. pcs	Weight kg/100 pcs.	Item No.
KSN1	Light grey	4,5	100	0.024	6178 52 0

PP Polypropylene /100 pc.

The VK slotted cable trunking system is fixed to the mounting plate using the spreading rivet and the riveting tool.

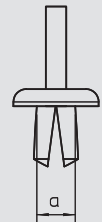


Spreading rivet, KSN 2

Type	Colour	Dimension a mm	Pack. pcs	Weight kg/100 pcs.	Item No.
KSN2	Light grey	6	100	0.056	6178 52 2

PP Polypropylene /100 pc.

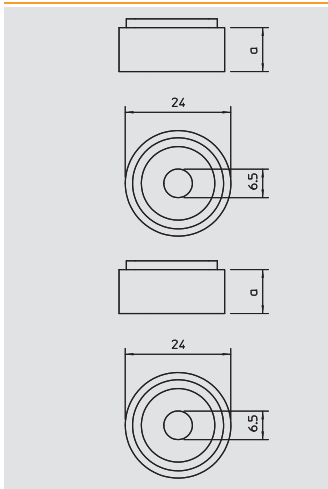
The VK slotted cable trunking system is fixed to the mounting plate using the spreading rivet and the riveting tool.



Release pliers

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
AKZ	1	30.857	6178 53 5

ST Steel /pc.



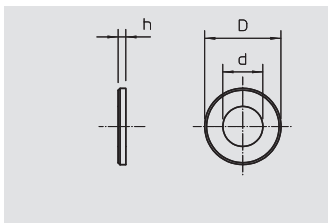
Spacer

Type	Colour	Dimension a	Diameter	Pack.	Weight	Item No.
		mm	mm	pcs	kg/100 pcs.	
AH1	Grey	12	24	100	0.354	6178 54 0

PVC Polyvinylchloride /100 pc.
Stackable spacer for height compensation between the different component heights.

Type	Colour	Dimension a	Diameter	Pack.	Weight	Item No.
		mm	mm	pcs	kg/100 pcs.	
AH2	Grey	20	24	100	0.576	6178 54 2

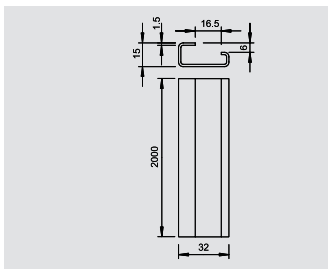
PVC Polyvinylchloride /100 pc.
For height compensation between the different component heights.



Washer

Type	Colour	Dimension h	Diameter	Pack.	Weight	Item No.
		mm	mm	pcs	kg/100 pcs.	
ULS	Grey	3	5	100	0.166	6178 54 8

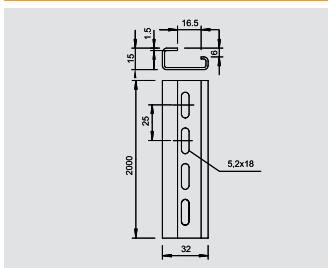
PVC Polyvinylchloride /100 pc.
Washer as compensation for different heights.



Support rail, unperforated

Type	Version	Material thickness	Length	Bundle	Weight	Item No.
		mm	mm	m	kg/100 m	
2064 GTP 2M	Unperforated	1.5	2,000	20	70.000	1115 05 7

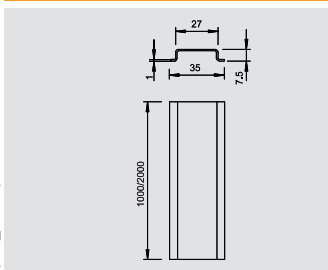
ST Steel **GTP** Electrogalvanised, transparently passivated /100 m
G rail G32 to DIN EN 60715 (previously DIN EN 50035).



Support rail, perforated

Type	Version	Material thickness	Length	Bundle	Weight	Item No.
		mm	mm	m	kg/100 m	
2064 GTPL 2M	Perforated	1.5	2,000	20	69.000	1115 06 5

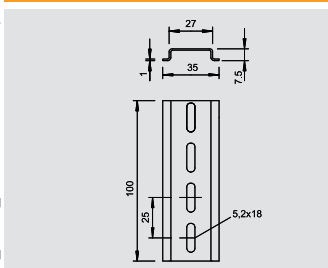
ST Steel **GTP** Electrogalvanised, transparently passivated /100 m
G rail G32 to DIN EN 60715 (previously DIN EN 50035).



Hat profile rail, unperforated

Type	Version	Material thickness	Length	Bundle	Weight	Item No.
		mm	mm	m	kg/100 m	
2069 2M GTP	Unperforated	1	2,000	50	34.000	1115 65 0

ST Steel **GTP** Electrogalvanised, transparently passivated /100 m
Hat profile rail 35 x 7.5 mm to DIN EN 60715 (formerly DIN EN 50022).



Hat profile rail, perforated





Type	Version	Material thickness	Length	Bundle	Weight	Item No.
		mm	mm	m	kg/100 m	
2069 2M GTPL	Perforated	1	2,000	50	33.000	1115 66 9

ST Steel **GTP** Electrogalvanised, transparently passivated /100 m
Hat profile rail 35 x 7.5 mm to DIN EN 60715 (formerly DIN EN 50022).





Directories

	Alphabetical table of contents	360
	Numeric directory	366
	Type listing	376
	Terms and conditions of sale and delivery	403



Alphabetical table of contents

A

Accessory mounting box, 122
Adapter for switch installation rotated through 90°, 346
Adapter stabiliser for ISST70140, 319
Adapter stabiliser for ISST70140B, 321
Aluminium cover, 266, 269, 272, 275, 278, 281, 284, 287, 296, 299
Aluminium cover, size 50 track, 291, 294
Aluminium cover, size 80 track, 290, 293
Aluminium external corner cover, 267, 270, 273, 276, 279, 282, 285, 288, 297, 300
Aluminium external corner cover, size 50 track, 291, 294
Aluminium external corner cover, size 80 track, 291, 294
Aluminium flat angle cover, 267, 270, 273, 276, 279, 282, 285, 288, 297, 300
Aluminium flat angle cover, size 50 track, 292, 295
Aluminium flat angle cover, size 80 track, 292, 295
Aluminium wall cover, closed, 70110, 311
Aluminium wall cover, closed, 70130, 312
Aluminium wall cover, closed, 70170, 312
Aluminium wall cover, closed, 70210, 312
Aluminium wall cover, closed, 90110, 311
Aluminium wall cover, closed, 90130, 312
Aluminium wall cover, closed, 90170, 312
Aluminium wall cover, closed, 90210, 312
Aluminium wall cover, open, 70110, 310
Aluminium wall cover, open, 70130, 310
Aluminium wall cover, open, 70170, 311
Aluminium wall cover, open, 70210, 311
Aluminium wall cover, open, 90110, 310
Aluminium wall cover, open, 90130, 310
Aluminium wall cover, open, 90170, 311
Aluminium wall cover, open, 90210, 311
Antenna socket 1/1 module width, 347
Antenna socket SAT 1/2 module width, 347
Aura range cover frame, 355
Aura range cover frame, rectangular, 355

B

Bend radius, external corner, 189, 192, 195, 202, 205
Bend radius, flat angle, 188, 192, 194, 201, 204
Bend radius, internal corner, 189, 192, 195, 201, 204
Blanking cover 1/1 module width, 348
Blanking cover 1/2 module width, 348

C

Cable bracket, 143, 155
Cable outlet, 1/1 module width, 348
CEE 16 A accessory mounting box, 356
CEE 32 A accessory mounting box, 357
CEE accessory mounting box, 124
CEE adapter flange 16 A, 125
CEE adapter flange 32 A, 125
Ceiling panel, 322
Ceiling panel for ISO70140, 320
Ceiling panel for ISS 120, 318
Ceiling panel for ISS 140110, 324
Ceiling panel for ISS 140220, 325
Ceiling panel for ISS110100F, 328
Ceiling panel for ISS110100R, 327
Ceiling panel for ISS140100F, 330
Ceiling panel for ISS140100R, 329
Ceiling panel for ISS90110, 323
Ceiling panel for ISSRM45, 326
Ceiling panel for ISSRM45F, 327
Ceiling panel for ISST70140, 320
Ceiling panel for ISST70140B, 322
Central plate for Aura range, rectangular standard, 355 penetration
Changeover switch 1/1 module width, 344-345
Changeover switch 1/2 module width, 344-345
Clamp, 305

C

Clamp fastening, 317
Classic stand for floor plate, 331
Connection adapter, 344
Connection adapter, straight, connector part, 343
Connection adapter, straight, socket part, 344
Connection adapter, U-shaped, connector part, 344
Connection profile for trunking height 170 mm, 304
Connection profile for trunking height 210 mm, 304
Connection protection, 350
Convection grid profile, 307
Convectector panelling, 307
Coupling, 208, 211, 214, 266, 269, 272, 275, 278, 281, 284, 287, 290, 293, 296, 299
Coupling pins, 307
Coupling, trunking depth 70 mm, 220, 225, 230, 236, 241, 247, 252, 258
Coupling, trunking depth 90 mm, 220, 225, 230, 236, 241, 247, 252, 258
Cover, 126, 164-181, 188, 191, 194, 200, 203
Cover clip, 126, 188, 191
Cover clip for 110 mm trunking width, 121
Cover clip for 130 mm trunking width, 121
Cover clip for 150 mm trunking width, 121
Cover clip for 170 mm trunking width, 121
Cover clip for 210 mm trunking width, 121
Cover clip for 230 mm trunking width, 122
Cover clip for 60 mm trunking width, 121
Cover clip for 90 mm trunking width, 121
Cover for CEE accessory mounting box, 125
Cover for double accessory mounting box, trunking, 123 height 110 mm
Cover for double accessory mounting box, trunking, 123 height 130 mm
Cover for double accessory mounting box, trunking, 123 height 150 mm
Cover for double accessory mounting box, trunking, 124 height 170 mm
Cover for double accessory mounting box, trunking, 124 height 210 mm
Cover for single accessory mounting box, trunking, 122 height 110 mm
Cover for single accessory mounting box, trunking, 123 height 130 mm
Cover for single accessory mounting box, trunking, 123 height 150 mm
Cover for single accessory mounting box, trunking, 124 height 170 mm
Cover for triple accessory mounting box, trunking height, 123 110 mm
Cover for triple accessory mounting box, trunking height, 123 130 mm
Cover for triple accessory mounting box, trunking height, 124 150 mm
Cover for triple accessory mounting box, trunking height, 124 170 mm
Cover frame S990, double, 353
Cover frame S990, single, 353
Cover frame S990, triple, 354
Cover screen, 316
CP cross connect, connector – socket version, 351
Cross switch 1/1 module width, 345

D

Danish standard socket 0°, 342
Data connection module with support plate, Cat. 5e, 348 shielded
Data connection module with support plate, Cat. 5e, 348 shielded
Data connection module with support plate, Cat. 6, 348
Data connection module with support plate, Cat. 6, 349 shielded for 10GbE
Data technology support 1/1 module width, 349
Data technology support 1/2 module width, 349
Data technology support Typ A, 1/1 module width, 351
Data technology support Typ B, 1/1 module width, 352

D

Data technology support Typ C, 1/1 module width, 352
 Data technology support Typ EP, 1/1 module width, 352-353
 Data technology support Typ F, 1/1 module width, 353
 Data technology support Typ PA, 1/1 module width, 353
 Device installation trunking, trunking depth 70 mm, 220, 225, 230, 236, 241, 247, 252, 258
 Device installation trunking, trunking depth 90 mm, 220, 225, 230, 236, 241, 247, 252, 258
 Device installation trunking, type GK70110, 208
 Device installation trunking, type GK70130, 211
 Device installation trunking, type GK70170, 214
 Device support, 159, 161
 Double accessory mounting box, 208, 211, 214, 220, 225, 230, 236, 241, 247, 252, 258, 266, 269, 272, 275, 278, 281, 284, 287, 290, 293, 296, 299, 331, 335
 Double/triple accessory mounting box Modul 45, 338
 Duct clamp, 155, 210, 213, 216, 224, 229, 234, 240, 245, 251, 256, 262
 Duct clamp for function maintenance E30–E90, 148

E

Earthing cable, 200, 203
 Earthing terminal, 200, 203
 Edge protection ring, 138-140, 142, 144, 146, 148, 150, 152, 154
 Encoding pin, 342
 End piece, 87, 89-90, 92, 94-96, 98-99, 101-114, 116-120, 126, 128-134, 141, 144-145, 147, 149, 151, 153, 195, 210, 213, 216, 268, 271, 274, 277, 280, 283, 286, 289, 292, 295, 298, 301
 End piece left, 158, 160, 190, 193, 202, 205
 End piece right, 158, 160, 190, 193, 202, 205
 End piece, trunking depth 70 mm, 224, 229, 234, 240, 245, 250, 256, 262
 End piece, trunking depth 90 mm, 224, 229, 234, 240, 245, 251, 256, 262
 Equipotential bonding socket 1/1 module width, 348
 External corner, 141, 143, 145, 147, 149, 151, 153, 189, 192, 195, 202, 205, 209, 212, 215, 267, 270, 273, 276, 279, 282, 285, 288, 291, 294, 297, 300
 External corner cover, fluted, 209, 212, 215
 External corner cover, smooth, 209, 212, 215
 External corner hood, 86, 88, 91, 93, 95, 97, 99-100, 102-115, 117-120, 129-134, 158, 160, 189, 192, 195, 201, 204
 External corner, trunking depth, 70 mm, 222, 227, 232, 238, 243, 248, 254, 260
 External corner, trunking depth, 90 mm, 222, 227, 232, 238, 243, 249, 254, 260

F

Falling flat angle, 188, 191, 201, 204, 267, 270, 273, 276, 279, 282, 285, 288, 291, 294, 297, 300
 Falling flat angle, trunking depth 70 mm, 233, 244, 249, 255, 261
 Falling flat angle, trunking depth 90 mm, 233, 244, 249, 255, 261
 Fastening bracket for ISST70140, 319
 Fastening bracket for ISST70140B, 321
 Fastening panels, 304
 Fibre optic coupling with support plate, 349
 Flat angle, 141, 143, 145, 147, 149, 151, 153, 194, 209, 212, 215
 Flat angle cover, fluted, 210, 213, 216
 Flat angle cover, smooth, 209, 212, 215
 Flat angle hood, 86, 88, 91, 93, 95, 97, 99-100, 102-115, 117-120, 129-134
 Flat angle, trunking depth 70 mm, 222, 227, 238
 Flat angle, trunking depth 90 mm, 222, 227, 238
 Floor panel, 306-307
 Floor plate for ISS110100F, 328
 Floor plate for ISS140100F, 330
 Floor plate for ISS140110, 324
 Floor plate for ISS70110, 322
 Floor plate for ISS90110, 323
 Floor plate for ISSO70140, 320

F

Floor plate for ISSRM45F, 326
 Floor plate for ISST70140, 319
 Floor plate for ISST70140B, 321
 Floor trunking, type 2650, 161
 Front cover, 126

G

GEK-A device installation trunking, type 100213, 299
 GEK-A device installation trunking, type 70110, 266
 GEK-A device installation trunking, type 70133, 272
 GEK-A device installation trunking, type 70213, 296
 GEK-A device installation trunking, type 90110, 269
 GEK-A device installation trunking, type 90133, 275
 GEK-AA device installation trunking, type 70173, 278
 GEK-AA device installation trunking, type 70173D, 290
 GEK-AA device installation trunking, type 70213, 284
 GEK-AA device installation trunking, type 90173, 281
 GEK-AA device installation trunking, type 90173D, 293
 GEK-AA device installation trunking, type 90213, 287

H

Hat profile rail, perforated, 185
 Hat profile rail, unperforated, 185
 Hinge dust protection, 350
 Hole punch, 196
 Hose connection for ISS110100F, 328
 Hose connection for ISS140100F, 330
 Hose connection for ISSRM45F, 326

I

Installation unit, 357
 Internal corner, 141, 143, 145, 147, 149, 151, 153, 189, 192, 195, 201, 204, 210, 213, 216, 267, 270, 273, 276, 279, 282, 285, 288, 292, 295, 297, 300
 Internal corner hood, 86, 88, 91, 93, 95, 97, 99-100, 102-115, 117-120, 129-134, 158, 160, 189, 192, 194, 201, 204
 Internal corner, simplified, trunking depth 70 mm, 244, 250, 255, 261
 Internal corner, simplified, trunking depth 90 mm, 244, 250, 255, 261
 Internal corner, trunking depth 70 mm, 223, 228, 233, 239
 Internal corner, trunking depth 90 mm, 223, 228, 233, 239
 Intersection, 190, 193, 202, 205

J

Joint connector, 138-141, 143, 145, 147, 149, 151, 153, 200, 203
 Joint cover, 86, 88, 91, 93, 97, 100, 158, 160, 188, 191, 194, 200, 203
 Joint cover, trunking depth 70 mm, 221, 226, 231, 237, 242, 248, 253, 259
 Joint cover, trunking depth 90 mm, 221, 226, 231, 237, 242, 248, 253, 259

K

Key for connection protection, 350
 Knock-in anchor, 125

L

LK4 wiring trunking, type LK4 60060, 166
 Locking bracket, 221, 226, 231, 237, 242, 248, 253, 259

M

Mechanical and visual insertion protection, 350
 Mini trunking with adhesive film and hinge cover MD12, 84
 Mini trunking with adhesive film and hinge cover MD17, 84
 Mini trunking with adhesive film and hinge cover MD4, 84
 Mini trunking with adhesive film and hinge cover MD7, 84
 Mini trunking with adhesive film M11, 84
 Mini trunking with adhesive film M7, 84
 Mini trunking with adhesive film M9, 84
 Modul 45connect socket with earthing pin 33°, triple, 343
 Modul 45connect socket with earthing pin 33°, double, 343
 Modul 45connect sockets, 33°, double, 343

Alphabetical table of contents

M

- Modul 45connect sockets, 33°, triple, 343
- Mounting and connection profile for convection grids,, 305
trunking depth 70 mm
- Mounting and connection profile for convection grids,, 305
trunking depth 90 mm
- Mounting and connection profile for convector panelling,, 306
trunking depth 70 mm
- Mounting and connection profile for convector panelling,, 306
trunking depth 90 mm
- Mounting support for data technology and Modul 45, 338
connect

N

- Noise limit barrier, 313
- Noise protection, sold by the metre, 313

O

- One-way switch, 1/1 module width, 345
- One-way switch, 1/2 module width, 344

P

- Partition, 155, 188, 191, 194, 200, 203
- Partition for ISS 120, 318
- Partition for trunking height 100 mm, 122
- Partition for trunking height 40 mm, 122
- Partition for trunking height 60 mm, 122
- Partition for trunking height 80 mm, 122
- Plastic external corner cover, fluted, 222, 227, 232, 238, 243, 254, 260
- Plastic external corner cover, smooth, 222, 227, 232, 238, 243, 254, 260
- Plastic flat angle cover, fluted, 223, 228, 233, 239, 244, 255, 261
- Plastic flat angle cover, smooth, 223, 228, 233, 239, 244, 255, 261
- Plastic rivet tool, 184
- Plastic trunking cover, fluted, 221, 226, 231, 237, 242, 253, 259
- Plastic trunking cover, smooth, 221, 226, 231, 237, 242, 253, 259
- Plug-in protector for RJ45, 350
- Profile connector, horizontal, 305
- Profile connector, vertical, 306
- Protective conductor connection bracket, 224, 229, 235, 240, 246, 251, 257, 263
- Protective contact socket 0°, 338-339
- Protective contact socket 33°, 339
- Protective frame for ISSHS4, 332
- PVC wall cover, closed, 70110, 309
- PVC wall cover, closed, 70130, 309
- PVC wall cover, closed, 70170, 309
- PVC wall cover, closed, 70210, 310
- PVC wall cover, closed, 90110, 309
- PVC wall cover, closed, 90130, 309
- PVC wall cover, closed, 90170, 309
- PVC wall cover, closed, 90210, 310
- PVC wall cover, open, 70110, 307
- PVC wall cover, open, 70130, 308
- PVC wall cover, open, 70170, 308
- PVC wall cover, open, 70210, 308
- PVC wall cover, open, 90110, 307
- PVC wall cover, open, 90130, 308
- PVC wall cover, open, 90170, 308
- PVC wall cover, open, 90210, 308

R

- Rapid 45 device installation trunking, type GEK-A, 200
53100
- Rapid 45 device installation trunking, type GEK-A, 203
53160
- Rapid 45 device installation trunking, type GEK-K, 188
53100
- Rapid 45 device installation trunking, type GEK-K, 191
53160
- Rapid 45 device installation trunking, type GEK-K, 194
53160-3
- Reassignment tool, 331

R

- Reducing frame, RJ45 to RJ11/RJ12, 349
- Release pliers, 184
- Rising flat angle, 188, 191, 201, 204, 267, 270, 273, 276, 279, 282, 285, 288, 291, 294, 297, 300
- Rising flat angle, trunking depth 70 mm, 232, 243, 249, 254, 260
- Rising flat angle, trunking depth 90 mm, 232, 243, 249, 254, 260
- Roller blind button 1/1 module width, 345
- Roller blind switch, 1/1 module width, 345
- Rubber support for ISS 140110, 324
- Rubber support for ISS70110, 322
- Rubber support for ISS90110, 323
- Rubber support for ISSO70140, 320
- Rubber support for ISSRM45, 326
- Rubber support for ISST70140, 319
- Rubber support for ISST70140B, 321

S

- S990 cover frame with labelling panel, double, 354
- S990 cover frame with labelling panel, double,, 354
rectangular
- S990 cover frame with labelling panel, single, 354
- S990 cover frame with labelling panel, single,, 354
rectangular
- S990 cover frame with labelling panel, triple, 354
- S990 cover frame with labelling panel, triple,, 354
rectangular
- Safe clip, 350
- Screen profile for ISS 120, 318
- Separating retainer, 210, 213, 216
- Series switch, 1/1 module width, 345
- Service pole, sheet steel, with PVC cover, 316
- Service pole, sheet steel, with sheet steel cover, 316
- Service pole, type ISS110100F, 328
- Service pole, type ISS110100R, 327
- Service pole, type ISS120, 318
- Service pole, type ISS140100F, 329
- Service pole, type ISS140100R, 329
- Service pole, type ISS140110, 324
- Service pole, type ISS140220, 325
- Service pole, type ISS70110, 322
- Service pole, type ISS90110, 323
- Service pole, type ISSHS140250, 333
- Service pole, type ISSHS140500, 333
- Service pole, type ISSHS140700, 333
- Service pole, type ISSHS2D120, 334
- Service pole, type ISSHS4, 332
- Service pole, type ISSHS6, 334
- Service pole, type ISSHSO270140, 333
- Service pole, type ISSHSO70140, 333
- Service pole, type ISSO70140, 320
- Service pole, type ISSRHSM45, 334
- Service pole, type ISSRM45, 325
- Service pole, type ISSRM45F, 326
- Service pole, type ISST70140, 319
- Service pole, type ISST70140B, 321
- Shears for WDK trunking, mitre cut, 85
- Shears for WDK trunking, straight cut, 85
- Sheet steel external corner cover, 222, 227, 232, 238, 243, 254, 260
- Sheet steel external corner cover, size 50 track, 249
- Sheet steel external corner cover, size 80 track, 249
- Sheet steel flat angle cover, 223, 228, 233, 239, 244, 255, 261
- Sheet steel flat angle cover, size 50 track, 250
- Sheet steel flat angle cover, size 80 track, 250
- Sheet steel partition, trunking depth 70 mm, 224, 229, 234, 240, 245, 251, 256, 262
- Sheet steel partition, trunking depth 90 mm, 224, 229, 234, 240, 245, 251, 256, 262
- Sheet steel trunking cover, size 50 track, 248
- Sheet steel trunking cover, size 80 track, 248
- Single accessory mounting box, 208, 211, 214, 220, 225, 230, 236, 241, 247, 252, 258, 266, 269, 272, 275, 278, 281, 284, 287, 290, 293,

S

Single accessory mounting box, 296, 299, 331, 335
 Single accessory mounting box Modul 45, 331, 335, 338
 SKL skirting trunking, type SKL 50 D, 158
 SKL skirting trunking, type SKL 70 D, 160
 Socket unit with labelling panel, double, 356
 Socket unit with labelling panel, single, 356
 Socket unit with labelling panel, triple, 356
 Socket unit, double, 355
 Socket unit, single, 355
 Socket unit, triple, 356
 Socket with earthing pin 0°, 339-340
 Socket with earthing pin 0° – encoded version, 341
 Socket with earthing pin 33°, 340
 Socket with earthing pin 33° – encoded version, 341-342
 Spacer, 185
 Spacer for floor plate, 331
 Spreading rivet, KSN 1, 184
 Spreading rivet, KSN 2, 184
 Strain relief, 208, 211, 214, 221, 226, 231, 237, 242, 248, 253, 259, 266, 269, 272, 275, 278, 281, 284, 287, 290, 293, 296, 299, 338, 342, 344
 Supply trunking, 313
 Support rail, perforated, 185
 Support rail, unperforated, 185
 Surge protection 1/2 module width, acoustic signalling, 346
 Surge protection 1/2 module width, visual signalling, 346
 Surge protection module, acoustic signalling, 346
 Swiss standard socket 0°, 342

T

T and intersection hood, 104-115, 117-120, 129-134
 T piece, 141, 143, 145, 147, 149, 151, 153, 195, 210, 213, 216, 267, 270, 273, 276, 279, 282, 285, 288, 292, 295, 297, 300
 T piece hood, 86, 88, 92, 94-95, 97, 99, 101-103
 T piece, falling, 190, 193, 202, 205
 T piece, rising, 189, 193, 202, 205
 T piece, trunking depth 70 mm, 223, 228, 234, 239, 245, 250, 256, 262
 T piece, trunking depth 90 mm, 223, 228, 234, 239, 245, 250, 256, 262
 Telephone connection box 1/1 module width, 347
 Triple accessory mounting box Modul 45, 331, 335
 Trunking cover, fluted, 209, 212, 215
 Trunking cover, sheet steel, 221, 226, 231, 237, 242, 253, 259
 Trunking cover, smooth, 208, 211, 214
 Trunking, type LKM 20020, 138
 Trunking, type LKM 20030, 139
 Trunking, type LKM 30030, 140
 Trunking, type LKM 40040, 141
 Trunking, type LKM 40060, 143
 Trunking, type LKM 60060, 145
 Trunking, type LKM 60100, 147
 Trunking, type LKM 60150, 149
 Trunking, type LKM 60200, 151
 Trunking, type LKM 80080, 153
 Trunking, type WDK 100130, 118
 Trunking, type WDK 10020, 86
 Trunking, type WDK 100230, 120
 Trunking, type WDK 10030, 88
 Trunking, type WDK 15015, 90
 Trunking, type WDK 15030, 91
 Trunking, type WDK 15040, 93
 Trunking, type WDK 20020, 95
 Trunking, type WDK 20035, 96
 Trunking, type WDK 20050, 97
 Trunking, type WDK 25025, 99
 Trunking, type WDK 25040, 100
 Trunking, type WDK 30030, 102
 Trunking, type WDK 30045, 103
 Trunking, type WDK 40040, 104
 Trunking, type WDK 40060, 105

T

Trunking, type WDK 40090, 106
 Trunking, type WDK 40110, 107
 Trunking, type WDK 60060, 108
 Trunking, type WDK 60090, 109
 Trunking, type WDK 60110, 111
 Trunking, type WDK 60130, 112
 Trunking, type WDK 60150, 113
 Trunking, type WDK 60170, 114
 Trunking, type WDK 60210, 115
 Trunking, type WDK 60230, 110
 Trunking, type WDK 80170, 119
 Trunking, type WDK 80210, 117
 Trunking, type WDK-H 20020, 128
 Trunking, type WDK-H 30045, 129
 Trunking, type WDK-H 40060, 130
 Trunking, type WDK-H 40061, 131
 Trunking, type WDK-H 60090, 132
 Trunking, type WDK-H 60110, 133
 Trunking, type WDK-H 60150, 134
 Trunking, type WDK-N 10020, 86
 Trunking, type WDK-N 10030, 88
 Trunking, type WDK-N 15030, 91
 Trunking, type WDK-N 15040, 93
 Trunking, type WDK-N 20050, 97
 Trunking, type WDK-N 25040, 100

U

Universal cable, connector – connector version, 351

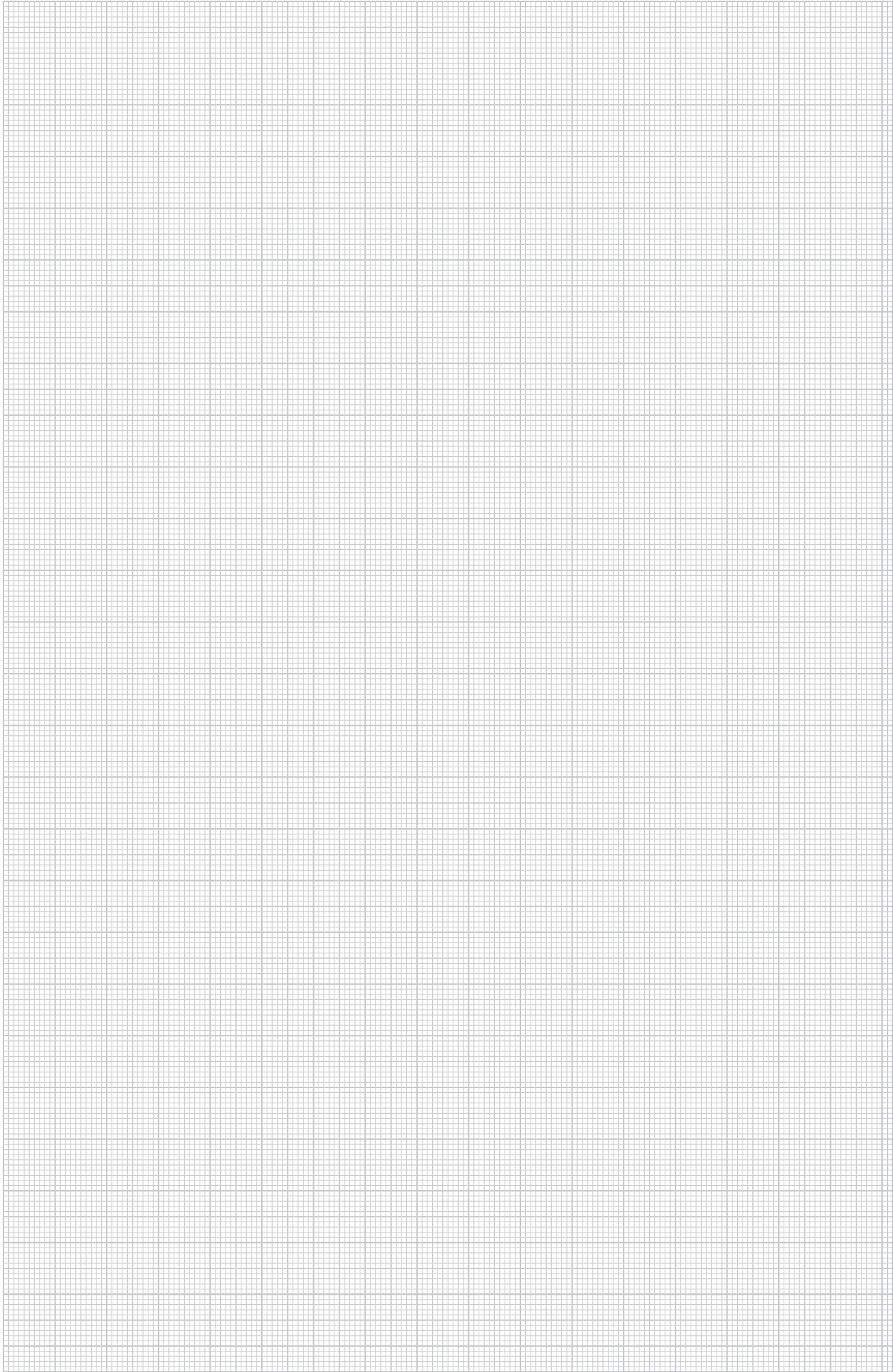
W

Wall panel adapter for GK, trunking height 110 mm, 304
 Wall panel adapter for GK, trunking height 130 mm, 304
 Wall panel adapter for GK, trunking height 170 mm, 304
 Washer, 185
 Wire retainer for type LK4 and LK4/N, 184
 Wire retainer for type LKV and LKV/N, 184
 Wire retainer for type LKV/H, 184
 Wiring trunking, type 100100, 178, 181
 Wiring trunking, type 10037, 177, 180
 Wiring trunking, type 10050, 177, 180
 Wiring trunking, type 10075, 177, 181
 Wiring trunking, type 25025, 174
 Wiring trunking, type 37025, 174
 Wiring trunking, type 37037, 174
 Wiring trunking, type 50025, 174
 Wiring trunking, type 50037, 175, 182
 Wiring trunking, type 50050, 175, 182
 Wiring trunking, type 50075, 175, 182
 Wiring trunking, type 75025, 175, 179
 Wiring trunking, type 75037, 176, 179, 182
 Wiring trunking, type 75050, 176, 179, 182
 Wiring trunking, type 75075, 176, 179, 182
 Wiring trunking, type 75100, 176, 180, 182
 Wiring trunking, type 75125, 177, 180, 183
 Wiring trunking, type LK4 15015, 164
 Wiring trunking, type LK4 30015, 164
 Wiring trunking, type LK4 30025, 164
 Wiring trunking, type LK4 40025, 164
 Wiring trunking, type LK4 40040, 165
 Wiring trunking, type LK4 40060, 165
 Wiring trunking, type LK4 40080, 165
 Wiring trunking, type LK4 40100, 165
 Wiring trunking, type LK4 60015, 166
 Wiring trunking, type LK4 60025, 166
 Wiring trunking, type LK4 60040, 166
 Wiring trunking, type LK4 60080, 167
 Wiring trunking, type LK4 60100, 167
 Wiring trunking, type LK4 60120, 167
 Wiring trunking, type LK4 80025, 167
 Wiring trunking, type LK4 80040, 168

Alphabetical table of contents

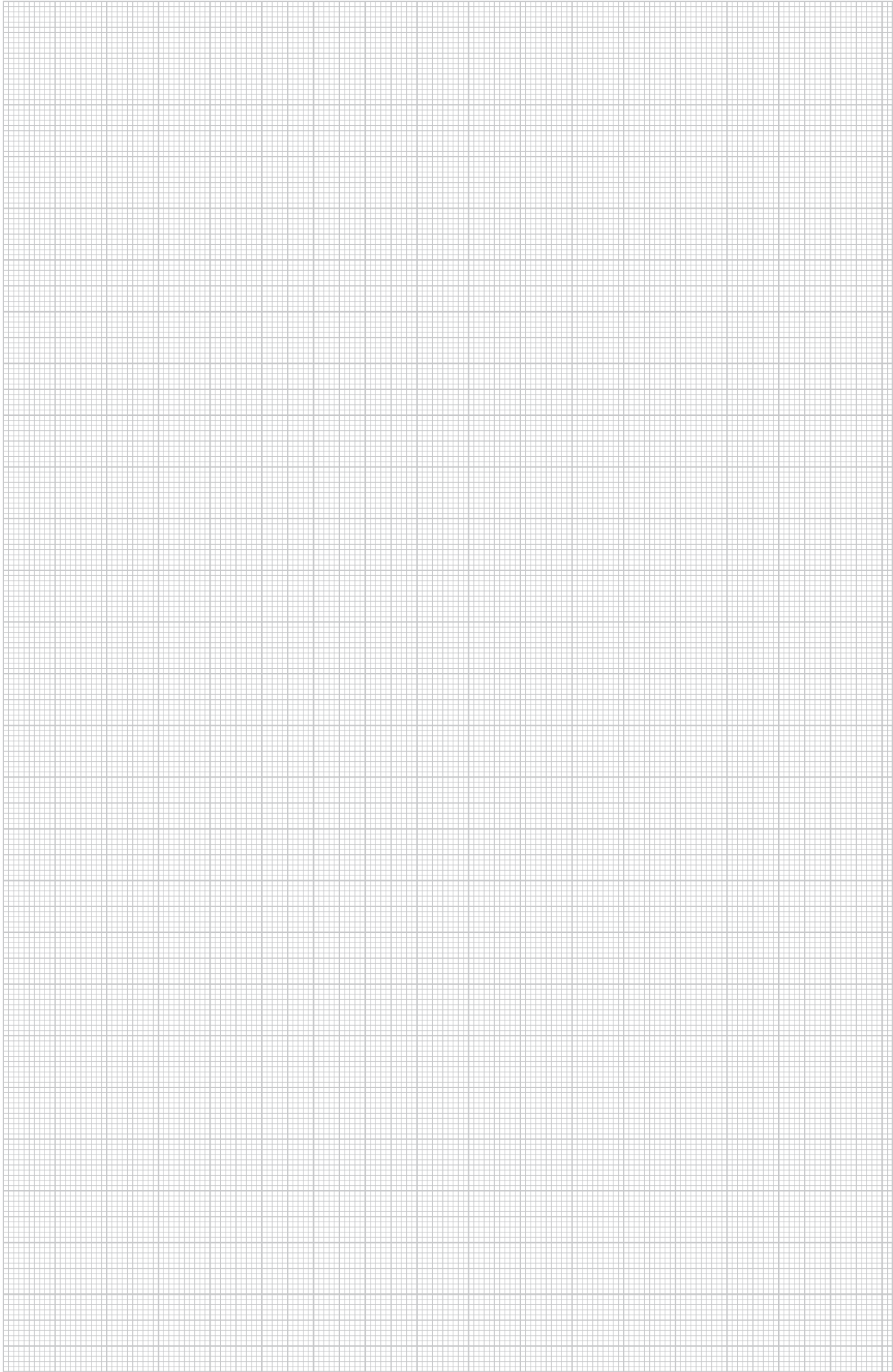
W

Wiring trunking, type LK4 80060,	168
Wiring trunking, type LK4 80080,	168
Wiring trunking, type LK4 80100,	168
Wiring trunking, type LK4 80120,	169
Wiring trunking, type LK4/N 60015,	170
Wiring trunking, type LK4/N 60025,	170
Wiring trunking, type LK4/N 60040,	170
Wiring trunking, type LK4/N 60060,	170
Wiring trunking, type LK4/N 60080,	171
Wiring trunking, type LK4/N 60100,	171
Wiring trunking, type LK4/N 60120,	171
Wiring trunking, type LK4/N 80025,	171
Wiring trunking, type LK4/N 80040,	172
Wiring trunking, type LK4/N 80060,	172
Wiring trunking, type LK4/N 80080,	172
Wiring trunking, type LK4/N 80100,	172
Wiring trunking, type LK4/N 80120,	173



Numeric directory

EAN-C.	Art. no.	Price	Page										
		/pc.											
5477419	6289 05 0		329										
5477020	6289 05 3		329										
5477037	6289 06 0		327										
5477426	6289 06 3		327										
5477433	6289 07 0		329										
5477044	6289 07 3		329										
5161202	6290 01 0		321										
5161219	6290 01 3		321										
5161226	6290 02 0		333										
5161264	6290 02 3		333										
5161288	6290 03 0		333										
5161325	6290 03 3		333										
5161349	6290 04 0		333										
5161387	6290 04 3		333										
5161448	6290 05 0		333										
5161455	6290 05 3		333										
5161509	6290 06 0		333										
5161516	6290 06 3		333										
5161561	6290 07 3		334										
5428077	6290 08 2		326										
5428084	6290 08 3		326										
5428091	6290 08 6		325										
5428107	6290 08 7		325										
5428138	6290 09 0		334										
5428145	6290 09 1		334										
5161578	6290 10 0		322										
5161585	6290 10 4		322										
5161639	6290 11 0		323										
5161646	6290 11 4		323										
5161691	6290 12 0		319										
5161707	6290 12 4		319										
5161752	6290 13 0		324										
5161769	6290 13 4		324										
5161813	6290 15 0		319										
5161868	6290 16 0		319										
5161882	6290 17 0		322										
5161929	6290 17 2		323										
5161936	6290 17 4		319										
5161943	6290 17 6		324										
5428152	6290 17 8		326										
5161981	6290 18 0		331										
5162001	6290 18 4		331										
5459231	6290 19 6		326										
5459248	6290 19 7		326										
5459279	6290 19 8		326										
5162063	6290 20 0		320										
5465249	6290 20 1		331										
5162117	6290 22 0		323										
5162162	6290 24 0		322										
5162179	6290 25 0		325										
5418566	6290 26 0		320										
5428169	6290 26 4		326										
5448792	6290 26 9		327										
5648963	6290 29 0		327										
5733195	9002 09 7		307										



Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page	Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page
2370 210	Stone grey 197,2/ PVC	6026357	6023 57 6	/100 pc.	121	ANT-2D AL1	Aluminium paint	5675181	6117 39 1	/pc.	347
2370 230	Stone grey 216,2/ PVC	6639250	6023 58 4		122	ANT-2D RW1	Pure white	5675167	6117 38 7		347
2370 60	Stone grey 48,8/ PVC	6023776	6022 99 5		121	ANT-2D SWGR1	Black-grey	5675174	6117 38 9		347
2370 90	Stone grey 75,7/ PVC	6026111	6023 50 9		121	ANT-2E AL1	Aluminium paint	5675150	6117 38 5		347
2371 100	Light grey 2000/ PVC	6030736	6026 99 0	/m	122	ANT-2E RW1	Pure white	5675112	6117 38 1		347
2371 40	Light grey 2000/ PVC	6024315	6023 09 6		122	ANT-2E SWGR1	Black-grey	5675129	6117 38 3		347
2371 40	Light grey 2000/ PVC	6024315	6023 09 6		188	ANT-3E AL1	Aluminium paint	5675235	6117 39 7		347
2371 40	Light grey 2000/ PVC	6024315	6023 09 6		191	ANT-3E RW1	Pure white	5675211	6117 39 3		347
2371 40	Light grey 2000/ PVC	6024315	6023 09 6		200	ANT-3E SWGR1	Black-grey	5675228	6117 39 5		347
2371 40	Light grey 2000/ PVC	6024315	6023 09 6		203						
2371 60	Light grey 2000/ PVC	6024377	6023 11 8		122	AO3VA50EL	/ Al / EL	5157724	6287 23 3		291
2371 80	Light grey 2000/ PVC	6030675	6026 98 2		122	AO3VA50EL	/ Al / EL	5157724	6287 23 3		294
2390	Light grey/ PVC	6024919	6023 20 7	/pc.	122	AO3VA50RW	Pure white / Al	5157687	6287 23 0		291
2392	Light grey/ PA/GF	6027132	6024 00 9		124	AO3VA50RW	Pure white / Al	5157687	6287 23 0		294
2393 16	Stone grey 110/ PVC	6027255	6024 02 5		125	AO3VA80EL	/ Al / EL	5145257	6287 20 3		267
2393 32	Stone grey 110/ PVC	6027316	6024 03 3		125	AO3VA80EL	/ Al / EL	5145257	6287 20 3		270
2410 110GR	Stone grey 2000/ PVC	6023295	6022 71 5	/m	126	AO3VA80EL	/ Al / EL	5145257	6287 20 3		273
2410 110LGR	Light grey 2000/ PVC	6669257	6028 15 2		126	AO3VA80EL	/ Al / EL	5145257	6287 20 3		276
2410 170GR	Stone grey 2000/ PVC	6023417	6022 75 8		126	AO3VA80EL	/ Al / EL	5145257	6287 20 3		279
2410 170LGR	Light grey 2000/ PVC	6773893	6028 18 7		126	AO3VA80EL	/ Al / EL	5145257	6287 20 3		282
2425 150CW	Cream 300/ PVC	6782659	6168 52 3	/pc.	125	AO3VA80EL	/ Al / EL	5145257	6287 20 3		285
2425 150RW	Pure white 300/ PVC	6629350	6194 72 9		125	AO3VA80EL	/ Al / EL	5145257	6287 20 3		288
2650	Stone grey 2000/ PVC	6362530	6020 80 1	/m	161	AO3VA80RW	Pure white / Al	5145240	6287 20 0		291
AD-90G M45	/ St	5469148	6258 14 1	/pc.	346	AO3VA80RW	Pure white / Al	5145240	6287 20 0		294
ADP-B AL0.5	Aluminium paint	6215652	6117 41 6		348	AO3VA80RW	Pure white / Al	5145240	6287 20 0		297
ADP-B AL1	Aluminium paint	6214037	6117 40 8		348	AO3VA80RW	Pure white / Al	5145240	6287 20 0		300
ADP-B RW0.5	Pure white	6117550	6117 41 4		348	AS-B AL0.5	Aluminium paint	5275688	6117 62 1		344
ADP-B RW1	Pure white	6117499	6117 40 6		348	AS-B RW0.5	Pure white	5275640	6117 62 0		344
ADP-B SWGR0.5	Black-grey	5701286	6117 41 5		348	AS-B SWGR0.5	Black-grey	5701019	6117 62 2		344
ADP-B SWGR1	Black-grey	5701279	6117 40 7		348	AS-B2P AL1	Aluminium paint	5275886	6117 64 5		345
ADR-80 1 AL	Aluminium paint/ PC	6279739	6258 07 1		355	AS-B2P RW1	Pure white	5275879	6117 64 4		345
ADR-80 1 RW	Pure white/ PC	6043156	6258 06 9		355	AS-B2P SWGR1	Black-grey	5701088	6117 64 3		345
AH1	Grey 12/ PVC	6014873	6178 54 0	/100 pc.	185	ASM-C5		6235278	6117 33 7		348
AH2	Grey 20/ PVC	6014996	6178 54 2		185	ASM-C5 G		6235155	6117 32 5		348
AKZ	/ ST	6014750	6178 53 5	/pc.	184	ASM-C6		6235339	6117 34 1		348
ANT-1S AL0.5	Aluminium paint	5406235	6117 60 7		347	ASM-C6 G		6235216	6117 32 9		349
ANT-1S RW0.5	Pure white	5406204	6117 60 6		347	ASM-LWL K		6237319	6117 74 0		349
ANT-1S SWGR0.5	Black-grey	5701316	6117 61 0		347	BKN120 205	/ St / FS	5676195	6288 00 5		304
						BKN200 350	/ St / FS	5676201	6288 00 7		304

Type listing

Structure of the EAN number: Country code **40**

Manufacturer code **1219** (for articles beginning with **0: 1010**)

Individual EAN-C **5647589**

Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page	Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page
BKN50 80	/ St / FS	5676140	6288 00 1	/pc.	304	DMG-1RM SWGR0.5	Black-grey	5701163	6117 29 1	/pc.	349
BKN75 125	/ St / FS	5676188	6288 00 3		304						
BTA-SKS S1 SW	Black	5438069	6117 19 0		344	DMG-2RM AL1	Aluminium paint	5006961	6117 32 0		349
BTA-SKS S1 W	White	5483540	6117 19 1		344	DMG-2RM RW1	Pure white	5006947	6117 31 9		349
BVB125	/ ST	5146766	6287 80 0		307	DMS-2RM AL1	Aluminium paint/ PC	5006886	6117 31 6		349
BVL		5147404	6288 18 0		306	DMS-2RM RW1	Pure white/ PC	5006848	6117 31 5		349
CEE16E2	Grey/ PA	5148715	6288 61 2		356	DMS-2RM SWGR1	Black-grey/ PC	5701194	6117 31 4		349
CEE32E2	Grey/ PA	5148739	6288 61 4		357	DMZ-AVS GN	Green	6239054	6117 72 4		350
						DMZ-AVS RO	Red	6239351	6117 72 6		350
						DMZ-AVS W	White	6239474	6117 72 8		350
CPK-C5SF UTP10	Grey	5008569	6117 94 2		351	DMZ-ES AVS	Black	6239658	6117 74 5		350
CPK-C5SF UTP15	Grey	5008620	6117 94 4		351						
CPK-C5SF UTP2	Grey	5081005	6117 93 8		351	DMZ-ESMV CB	White	6237913	6117 70 8		350
CPK-C5SF UTP7.5	Grey	5008521	6117 94 0		351						
CPK-C6S FTP10	Grey	5008682	6117 95 0		351	DMZ-RR RJ11	Green	5677819	6117 97 2		349
CPK-C6S FTP15	Grey	5008743	6117 95 2		351						
CPK-C6S FTP2	Grey	5081401	6117 94 6		351	DMZ-SC GN	Green	5008767	6117 95 7		350
CPK-C6S FTP7.5	Grey	5008644	6117 94 8		351	DMZ-SC RO	Red	5008804	6117 95 8		350
CST-SKS	Black/ PC	5364610	6106 73 5		342	DMZ-SCHL AVS	Yellow	6239535	6117 73 2		350
D2-1 110CW	Cream 300/ PVC	6111619	6169 30 9		122	DMZ-STG GN	Green	5007562	6117 73 7		350
D2-1 110RW	Pure white 300/ PVC	6448272	6194 03 6		122	DMZ-STG RO	Red	5007609	6117 73 8		350
D2-1 130CW	Cream 300/ PVC	6111671	6169 31 7		123	DMZ-STG W	White	6239597	6117 73 6		350
D2-1 130RW	Pure white 300/ PVC	6448098	6194 04 4		123						
D2-1 150CW	Cream 300/ PVC	6781393	6169 29 5		123	DTG-2A AL1	Aluminium paint/ pc	5696940	6119 20 6		351
D2-1 150RW	Pure white 300/ PVC	6447978	6194 05 2		123	DTG-2A RW1	Pure white/ pc	5696896	6119 20 2		351
D2-1 170CW	Cream 300/ PVC	6111732	6169 32 5		124	DTG-2A SWGR1	Black-grey/ pc	5696902	6119 20 4		351
D2-1 170RW	Pure white 300/ PVC	6447497	6194 06 0		124						
D2-2 110CW	Cream 300/ PVC	6111855	6169 37 6		123	DTG-2B AL1	Aluminium paint/ pc	5696971	6119 21 2		352
D2-2 110GR	Stone grey 300/ PVC	6103997	6159 37 0		123	DTG-2B RW1	Pure white/ pc	5696957	6119 20 8		352
D2-2 110RW	Pure white 300/ PVC	6628636	6194 10 9		123	DTG-2B SWGR1	Black-grey/ pc	5696964	6119 21 0		352
D2-2 130CW	Cream 300/ PVC	6111916	6169 38 4		123	DTG-2C AL1	Aluminium paint/ pc	5697008	6119 21 8		352
D2-2 130RW	Pure white 300/ PVC	6628575	6194 11 7		123	DTG-2C RW1	Pure white/ pc	5696988	6119 21 4		352
D2-2 150CW	Cream 300/ PVC	6782291	6169 36 8		123	DTG-2C SWGR1	Black-grey/ pc	5696995	6119 21 6		352
D2-2 150RW	Pure white 300/ PVC	6628513	6194 12 5		123						
D2-2 170CW	Cream 300/ PVC	6111978	6169 39 2		124	DTG-2EP AL1	Aluminium paint/ pc	5697121	6119 23 6		352
D2-2 170RW	Pure white 300/ PVC	6628452	6194 13 3		124	DTG-2EP RW1	Pure white/ pc	5697077	6119 23 2		352
D2-2 210CW	Cream 300/ PVC	6112036	6169 40 6		124	DTG-2EP SWGR1	Black-grey/ pc	5697084	6119 23 4		352
D2-2 210RW	Pure white 300/ PVC	6628391	6194 14 1		124						
D2-3 110CW	Cream 300/ PVC	6112098	6169 43 0		123	DTG-2F AL1	Aluminium paint/ pc	5697039	6119 22 4		353
D2-3 110RW	Pure white 300/ PVC	6628339	6194 18 4		123	DTG-2F RW1	Pure white/ pc	5697015	6119 22 0		353
D2-3 130CW	Cream 300/ PVC	6112159	6169 44 9		123	DTG-2F SWGR1	Black-grey/ pc	5697022	6119 22 2		353
D2-3 130RW	Pure white 300/ PVC	6618910	6194 19 2		123						
D2-3 150CW	Cream 300/ PVC	6782475	6169 42 2		124	DTG-2PA AL1	Aluminium paint/ pc	5697060	6119 23 0		353
D2-3 150RW	Pure white 300/ PVC	6618859	6194 20 6		124	DTG-2PA RW1	Pure white/ pc	5697046	6119 22 6		353
D2-3 170CW	Cream 300/ PVC	6112210	6169 45 7		124	DTG-2PA SWGR1	Black-grey/ pc	5697053	6119 22 8		353
D2-3 170RW	Pure white 300/ PVC	6349814	6194 21 4		124	DTS-2A AL1	Aluminium paint/ pc	5697183	6119 24 2		351
DAB-F	Pure white/ St	5448792	6290 26 9		327	DTS-2A RW1	Pure white/ pc	5697138	6119 23 8		351
DAB-F	Pure white/ St	5448792	6290 26 9		328	DTS-2A SWGR1	Black-grey/ pc	5697145	6119 24 0		351
DAB-F	Pure white/ St	5448792	6290 26 9		330	DTS-2B AL1	Aluminium paint/ pc	5697244	6119 24 8		352
DMG-1RM AL0.5	Aluminium paint	5006725	6117 29 3		349	DTS-2B RW1	Pure white/ pc	5697190	6119 24 4		352
DMG-1RM RW0.5	Pure white	6233410	6117 29 2		349	DTS-2B SWGR1	Black-grey/ pc	5697206	6119 24 6		352

06 LFS_Katalog_2010_Neuer_Stand / en / 22/02/2010 (LLEExport_00995)

Type listing

Structure of the EAN number: Country code **40**

Manufacturer code **1219** (for articles beginning with **0: 1010**)

Individual EAN-C **5647589**

Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page	Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page
				/pc.						/pc.	
ISS120DDF7035	Light grey/ ST	5144007	6286 77 2		318	ISSO70140EL	/ AI / EL	5160601	6288 92 3		320
ISS120DDF9010	Pure white/ ST	5143994	6286 77 0		318	ISSO70140RW	Pure white/ AI	5160564	6288 92 0		320
ISS120DDF9011RW	Graphite black/ ST	5144038	6286 77 5		318	ISSRGU	Black/ GUM	5428152	6290 17 8		326
ISS140100FEL	/ AI / EL	5477020	6289 05 3		329	ISSRHSM45EL	/ AI / EL	5428145	6290 09 1		334
ISS140100FRW	Pure white/ AI	5477419	6289 05 0		329	ISSRHSM45RW	Pure white/ AI	5428138	6290 09 0		334
ISS140100REL	/ AI / EL	5477044	6289 07 3		329	ISSRM45EL	/ AI / EL	5428107	6290 08 7		325
ISS140100RRW	Pure white/ AI	5477433	6289 07 0		329	ISSRM45FEL	/ AI / EL	5428084	6290 08 3		326
ISS140110EL	/ AI / EL	5160908	6288 96 3		324	ISSRM45FRW	Pure white/ AI	5428077	6290 08 2		326
ISS140110RW	Pure white/ AI	5160861	6288 96 0		324	ISSRM45RW	Pure white/ AI	5428091	6290 08 6		325
ISS140220EL	/ AI / EL	5160977	6288 97 3		325	ISSSF	Chrome black/ ST	5161981	6290 18 0		331
ISS140220RW	Pure white/ AI	5160960	6288 97 0		325	ISST70140BEL	/ AI / EL	5161219	6290 01 3		321
ISS70110EL	/ AI / EL	5160748	6288 94 3		322	ISST70140BRW	Pure white/ AI	5161202	6290 01 0		321
ISS70110RW	Pure white/ AI	5160731	6288 94 0		322	ISST70140EL	/ AI / EL	5160670	6288 93 3		319
ISS90110EL	/ AI / EL	5160847	6288 95 3		323	ISST70140RW	Pure white/ AI	5160663	6288 93 0		319
ISS90110RW	Pure white/ AI / EL	5160809	6288 95 0		323	ISSZ70140	Pure white/ ST / FSK	5161868	6290 16 0		319
ISS98 61OT3RW	Pure white/ ST	5143765	6286 55 0		316	ISSZ70140	Pure white/ ST / FSK	5161868	6290 16 0		321
ISS98 71OT3KRW	Pure white/ ST	5143819	6286 56 0		316	KA-ZKB AL1	Aluminium paint	5677888	6117 98 7		348
ISS98B	Pure white/ PVC	5144045	6286 80 0		316	KA-ZKB RW1	Pure white	5677864	6117 98 5		348
ISS98KF	/ ST / FS	5144052	6286 80 2		317	KA-ZKB SWGR1	Black-grey	5677871	6117 98 6		348
ISSAH	/ AI / EL	5162001	6290 18 4		331						
ISSBP140110RW	Pure white/ ST / FSK	5161752	6290 13 0		324						
ISSBP140110WAW	White aluminium/ ST / FSK	5161769	6290 13 4		324						
ISSBP70110RW	Pure white/ ST / FSK	5161578	6290 10 0		322	KG2CW	Cream/ AI	5146582	6287 70 1	/m	307
ISSBP70110WAW	White aluminium/ ST / FSK	5161585	6290 10 4		322	KG2CW	Cream/ AI	5146674	6287 71 1		307
ISSBP70140RW	Pure white/ ST / FSK	5161691	6290 12 0		319	KG2EL	/ AI / EL	5146704	6287 72 3		307
ISSBP70140RW	Pure white/ ST / FSK	5161691	6290 12 0		320	KG2EL	/ AI / EL	5146742	6287 73 3		307
ISSBP70140RW	Pure white/ ST / FSK	5161691	6290 12 0		321	KG2LGR	Light grey/ AI	5146612	6287 70 2		307
ISSBP70140WAW	White aluminium/ ST / FSK	5161707	6290 12 4		319	KG2LGR	Light grey/ AI	5146681	6287 71 2		307
ISSBP70140WAW	White aluminium/ ST / FSK	5161707	6290 12 4		320	KG2RW	Pure white/ AI	5146575	6287 70 0		307
ISSBP70140WAW	White aluminium/ ST / FSK	5161707	6290 12 4		321	KG2RW	Pure white/ AI	5146643	6287 71 0		307
ISSBP90110RW	Pure white/ ST	5161639	6290 11 0		323						
ISSBP90110WAW	White aluminium/ ST	5161646	6290 11 4		323						
ISSBW70140RW	Pure white/ ST / FSK	5161813	6290 15 0		319	KL80A	/ PA	5148777	6288 64 0	/pc.	210
ISSBW70140RW	Pure white/ ST / FSK	5161813	6290 15 0		321	KL80A	/ PA	5148777	6288 64 0		213
ISSGU140110	Black/ GUM	5161943	6290 17 6		324	KL80A	/ PA	5148777	6288 64 0		216
ISSGU70110	Black/ GUM	5161882	6290 17 0		322	KL80A	/ PA	5148777	6288 64 0		224
ISSGU70140	Black/ GUM	5161936	6290 17 4		319	KL80A	/ PA	5148777	6288 64 0		229
ISSGU70140	Black/ GUM	5161936	6290 17 4		320	KL80A	/ PA	5148777	6288 64 0		234
ISSGU70140	Black/ GUM	5161936	6290 17 4		321	KL80A	/ PA	5148777	6288 64 0		240
ISSGU90110	Black/ GUM	5161929	6290 17 2		323	KL80A	/ PA	5148777	6288 64 0		245
ISSHS140250EL	/ AI / EL	5161264	6290 02 3		333	KL80A	/ PA	5148777	6288 64 0		251
ISSHS140250RW	Pure white/ AI	5161226	6290 02 0		333	KL80A	/ PA	5148777	6288 64 0		256
ISSHS140500EL	Aluminium/ AI / EL	5161325	6290 03 3		333	KNW1	150 Black/ POM	6014514	6178 52 7		262
ISSHS140500RW	Pure white/ AI	5161288	6290 03 0		333	KNW2	150 Black/ POM	6014637	6178 52 9		184
ISSHS140700EL	Aluminium/ AI / EL	5161387	6290 04 3		333						
ISSHS140700RW	Pure white/ AI	5161349	6290 04 0		333	KS70110	/ St / FS	5680697	6279 80 2		304
ISSHS2D120EL	/ AI / EL	5143758	6286 50 3		334	KS70130	/ St / FS	5680703	6279 80 4		304
ISSHS2D120LGR	Light grey/ AI	5143741	6286 50 2		334	KS70170	/ St / FS	5680734	6279 80 6		304
ISSHS2D120RW	Pure white/ AI	5143734	6286 50 0		334	KS990GN1-0	Mint green	5404392	6288 61 7		355
ISSHS4 61OT3LGR	Light grey/ ST	5143918	6286 70 2		332	KS990GN2-0	Mint green	5404422	6288 62 0		355
ISSHS4 61OT3RW	Pure white/ ST	5143888	6286 70 0		332	KS990GN3-0	Mint green	5404453	6288 62 3		356
ISSHS4SR40	Graphite black/ ST	5144090	6286 81 0		332	KS990RT1-0	Signal red	5404408	6288 61 8		355
ISSHS6RW	/ AI / EL	5161561	6290 07 3		334	KS990RT2-0	Signal red	5404439	6288 62 1		355
ISSHSO270140EL	/ AI / EL	5161516	6290 06 3		333						
ISSHSO270140RW	Pure white/ AI	5161509	6290 06 0		333						
ISSHSO70140EL	/ AI / EL	5161455	6290 05 3		333						
ISSHSO70140RW	Pure white/ AI	5161448	6290 05 0		333						

06 LFS_Katalog_2010_Neuer_Stand / en / 22/02/2010 (LLExport_00995)

Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page	Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page
KS990RT3-0	Signal red	5404460	6288 62 4	/pc.	356	LK4 15015	Stone grey 2000/ PVC	6000050	6178 00 1	/m	164
KS990RW1-0	Pure white	5404385	6288 61 6		355	LK4 30015	Stone grey 2000/ PVC	6000173	6178 00 3		164
KS990RW2-0	Pure white	5404415	6288 61 9		355	LK4 30025	Stone grey 2000/ PVC	6000296	6178 00 5		164
KS990RW3-0	Pure white	5404446	6288 62 2		356	LK4 40025	Stone grey 2000/ PVC	6000418	6178 01 0		164
KS-B AL1	Aluminium paint	5405931	6117 63 8		345	LK4 40040	Stone grey 2000/ PVC	6000531	6178 01 2		165
KS-B RW1	Pure white	5405924	6117 63 7		345	LK4 40060	Stone grey 2000/ PVC	6000654	6178 01 4		165
KS-B SWGR1	Black-grey	5701064	6117 63 9		345	LK4 40080	Stone grey 2000/ PVC	6000777	6178 01 6		165
						LK4 40100	Stone grey 2000/ PVC	6000890	6178 01 8		165
KSB990GN1-0	Mint green	5404484	6288 62 6		356	LK4 60015	Stone grey 2000/ PVC	6001132	6178 02 6		166
KSB990GN2-0	Mint green	5404514	6288 62 9		356						
KSB990GN3-0	Mint green	5404545	6288 63 2		356	LK4 60025	Stone grey 2000/ PVC	6001255	6178 02 8		166
KSB990RT1-0	Signal red	5404491	6288 62 7		356	LK4 60040	Stone grey 2000/ PVC	6001378	6178 03 1		166
KSB990RT2-0	Signal red	5404521	6288 63 0		356						
KSB990RT3-0	Signal red	5404552	6288 63 3		356	LK4 60060	Stone grey 2000/ PVC	6001491	6178 03 3		166
KSB990RW1-0	Pure white	5404477	6288 62 5		356	LK4 60080	Stone grey 2000/ PVC	6001613	6178 03 5		167
KSB990RW2-0	Pure white	5404507	6288 62 8		356						
KSB990RW3-0	Pure white	5404538	6288 63 1		356	LK4 60100	Stone grey 2000/ PVC	6001736	6178 03 7		167
KSN1	Light grey 4,5/ PP	6014279	6178 52 0		184	LK4 60120	Stone grey 2000/ PVC	6001859	6178 03 9		167
						LK4 80025	Stone grey 2000/ PVC	6002214	6178 05 0		167
KSN2	Light grey 6/ PP	6014392	6178 52 2		184	LK4 80040	Stone grey 2000/ PVC	6002337	6178 05 2		168
KSP170	152/ St / FS	5680741	6279 81 0		304	LK4 80060	Stone grey 2000/ PVC	6002450	6178 05 4		168
						LK4 80080	Stone grey 2000/ PVC	6002573	6178 05 6		168
						LK4 80100	Stone grey 2000/ PVC	6002696	6178 05 9		168
KSP210	192/ St / FS	5680758	6279 81 2		304						
KSR20020	Grey 28/ PE	6018598	6249 84 2		138	LK4 80120	Stone grey 2000/ PVC	6002818	6178 06 1		169
KSR20030	Grey 34/ PE	6018710	6249 84 4		139	LK4 D 100	Stone grey 100/ PVC	6040803	6178 49 0		165
						LK4 D 100	Stone grey 100/ PVC	6040803	6178 49 0		167
						LK4 D 100	Stone grey 100/ PVC	6040803	6178 49 0		168
						LK4 D 100	Stone grey 100/ PVC	6040803	6178 49 0		171
KSR30030	Grey 34/ PE	5691020	6249 84 5		140	LK4 D 100	Stone grey 100/ PVC	6040803	6178 49 0		172
						LK4 D 100	Stone grey 100/ PVC	6040803	6178 49 0		172
						LK4 D 120	Stone grey 120/ PVC	6040926	6178 49 2		167
						LK4 D 120	Stone grey 120/ PVC	6040926	6178 49 2		169
KSR40040	Grey 47,7/ PE	6018833	6249 84 6		142	LK4 D 120	Stone grey 120/ PVC	6040926	6178 49 2		171
KSR40060	Grey 47/ PE	6018956	6249 84 8		144	LK4 D 120	Stone grey 120/ PVC	6040926	6178 49 2		173
KSR60060	Grey 67,7/ PE	6019076	6249 85 0		146	LK4 D 120	Stone grey 120/ PVC	6040926	6178 49 2		173
						LK4 D 15	Stone grey 15/ PVC	6040209	6178 48 0		164
						LK4 D 15	Stone grey 15/ PVC	6040209	6178 48 0		166
KSR60100	Grey 104/ PE	5020325	6249 85 2		148	LK4 D 15	Stone grey 15/ PVC	6040209	6178 48 0		170
KSR60150	Grey 154/ PE	5020387	6249 85 4		150	LK4 D 15	Stone grey 15/ PVC	6040209	6178 48 0		170
						LK4 D 25	Stone grey 25/ PVC	6040322	6178 48 2		164
						LK4 D 25	Stone grey 25/ PVC	6040322	6178 48 2		164
KSR60200	Grey 204/ PE	5020394	6249 85 6		152	LK4 D 25	Stone grey 25/ PVC	6040322	6178 48 2		166
						LK4 D 25	Stone grey 25/ PVC	6040322	6178 48 2		166
						LK4 D 25	Stone grey 25/ PVC	6040322	6178 48 2		167
						LK4 D 25	Stone grey 25/ PVC	6040322	6178 48 2		170
KSR80080	Grey 84/ PE	5691037	6249 86 5		154	LK4 D 25	Stone grey 25/ PVC	6040322	6178 48 2		170
						LK4 D 25	Stone grey 25/ PVC	6040322	6178 48 2		171
KUPA	55/ V2A	5148913	6288 66 7		266	LK4 D 40	Stone grey 40/ PVC	6040445	6178 48 4		165
KUPA	55/ V2A	5148913	6288 66 7		269	LK4 D 40	Stone grey 40/ PVC	6040445	6178 48 4		166
KUPA	55/ V2A	5148913	6288 66 7		272	LK4 D 40	Stone grey 40/ PVC	6040445	6178 48 4		168
KUPA	55/ V2A	5148913	6288 66 7		275	LK4 D 40	Stone grey 40/ PVC	6040445	6178 48 4		170
KUPA	55/ V2A	5148913	6288 66 7		278	LK4 D 40	Stone grey 40/ PVC	6040445	6178 48 4		172
KUPA	55/ V2A	5148913	6288 66 7		281						
KUPA	55/ V2A	5148913	6288 66 7		284	LK4 D 60	Stone grey 60/ PVC	6040568	6178 48 6		165
KUPA	55/ V2A	5148913	6288 66 7		287	LK4 D 60	Stone grey 60/ PVC	6040568	6178 48 6		166
KUPA	55/ V2A	5148913	6288 66 7		290	LK4 D 60	Stone grey 60/ PVC	6040568	6178 48 6		168
KUPA	55/ V2A	5148913	6288 66 7		293	LK4 D 60	Stone grey 60/ PVC	6040568	6178 48 6		170
KUPA	55/ V2A	5148913	6288 66 7		296	LK4 D 60	Stone grey 60/ PVC	6040568	6178 48 6		172
KUPA	55/ V2A	5148913	6288 66 7		299						
KVV	Pure white/ ST	5733195	9002 09 7		307	LK4 D 80	Stone grey 80/ PVC	6040681	6178 48 8		165
						LK4 D 80	Stone grey 80/ PVC	6040681	6178 48 8		167
						LK4 D 80	Stone grey 80/ PVC	6040681	6178 48 8		168
						LK4 D 80	Stone grey 80/ PVC	6040681	6178 48 8		171
						LK4 D 80	Stone grey 80/ PVC	6040681	6178 48 8		172

06 LFS_Katalog_2010_Neuer_Stand / en / 22/02/2010 (LLExpert_00995)

Type listing

Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page	Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page
LKM Z60	46 30/ ST / FS	6315376	6249 90 6	/pc.	143	LKV D 25	Stone grey 25/ PVC	6041282	6178 50 4	/m	174
LKM Z60	46 30/ ST / FS	6315376	6249 90 6		155	LKV D 25	Stone grey 25/ PVC	6041282	6178 50 4		174
LKM20020FS	2000/ ST / FS	6651672	6246 96 6	/m	138	LKV D 25	Stone grey 25/ PVC	6041282	6178 50 4		175
LKM20020RW	Pure white 2000/ ST / FSK	6651795	6248 46 2		138	LKV D 25	Stone grey 25/ PVC	6041282	6178 50 4		179
LKM20030FS	2000/ ST / FS	6118878	6246 97 4		139	LKV D 37	Stone grey 37,5/ PVC	6041404	6178 50 6		174
LKM20030RW	Pure white 2000/ ST / FSK	6119059	6248 47 0		139	LKV D 37	Stone grey 37,5/ PVC	6041404	6178 50 6		175
LKM30030FS	2000/ ST / FS	5690955	6246 98 2		140	LKV D 37	Stone grey 37,5/ PVC	6041404	6178 50 6		176
LKM30030RW	Pure white 2000/ ST / FS	5690962	6248 48 2		140	LKV D 37	Stone grey 37,5/ PVC	6041404	6178 50 6		177
LKM40040FS	2000/ ST / FS	6651733	6246 99 0		141	LKV D 50	Stone grey 50/ PVC	6041527	6178 50 8		175
LKM40040RW	Pure white 2000/ ST / FSK	6651856	6248 49 7		141	LKV D 50	Stone grey 50/ PVC	6041527	6178 50 8		176
LKM40060FS	2000/ ST / FS	6311897	6247 01 6		143	LKV D 50	Stone grey 50/ PVC	6041527	6178 50 8		177
LKM40060RW	Pure white 2000/ ST / FSK	6313570	6248 51 9		143	LKV D 50	Stone grey 50/ PVC	6041527	6178 50 8		179
LKM60060FS	2000/ ST / FS	6977369	6247 09 1		145	LKV D 75	Stone grey 75/ PVC	6041640	6178 51 0		175
LKM60060RW	Pure white 2000/ ST / FSK	6977307	6248 60 8		145	LKV D 75	Stone grey 75/ PVC	6041640	6178 51 0		176
LKM60100FS	2000/ ST / FS	6312139	6247 11 3		147	LKV D 75	Stone grey 75/ PVC	6041640	6178 51 0		177
LKM60100RW	Pure white 2000/ ST / FSK	6313815	6248 62 4		147	LKV D 75	Stone grey 75/ PVC	6041640	6178 51 0		179
LKM60150CRW	Pure white 2000/ ST / FSK	6313877	6248 64 0		149	LKV D 75	Stone grey 75/ PVC	6041640	6178 51 0	/100 pc.	181
LKM60150FS	2000/ ST / FS	6312191	6247 14 8		149	LKV H	Stone grey 56/ PS	6011285	6178 34 9		184
LKM60200FS	2000/ ST / FS	6312252	6247 16 4		151	LKV H 50037	Light grey 2000/ PPO	6016266	6178 61 2	/m	182
LKM60200RW	Pure white 2000/ ST / FSK	6313938	6248 66 7		151	LKV H 50050	Light grey 2000/ PPO	6016389	6178 61 4		182
LKM80080FS	2000/ ST / FS	5691006	6247 19 4		153	LKV H 50075	Light grey 2000/ PPO	6016501	6178 61 6		182
LKM80080RW	Pure white 2000/ ST / FS	5691013	6248 69 4		153	LKV H 75037	Light grey 2000/ PPO	6016747	6178 62 2		182
LKV 100100	Stone grey 2000/ PVC	6011162	6178 34 1		178	LKV H 75050	Light grey 2000/ PPO	6016860	6178 62 4		182
LKV 10037	Stone grey 2000/ PVC	6010806	6178 33 4		177	LKV H 75075	Light grey 2000/ PPO	6016983	6178 62 6		182
LKV 10050	Stone grey 2000/ PVC	6010929	6178 33 6		177	LKV H 75100	Light grey 2000/ PPO	6017102	6178 62 8		182
LKV 10075	Stone grey 2000/ PVC	6011049	6178 33 8		177	LKV H 75125	Light grey 2000/ PPO	6017225	6178 63 0		183
LKV 25025	Stone grey 2000/ PVC	6009411	6178 30 2		174	LKV H H	Light grey 56/ PS	6017829	6178 65 0	/100 pc.	184
LKV 37025	Stone grey 2000/ PVC	6009534	6178 30 5		174	LKV N 100100	Stone grey 2000/ PVC	6015184	6178 44 1	/m	181
LKV 37037	Stone grey 2000/ PVC	6009657	6178 30 7		174	LKV N 10037	Stone grey 2000/ PVC	6013913	6178 43 5		180
LKV 50025	Stone grey 2000/ PVC	6009732	6178 31 0		174	LKV N 10050	Stone grey 2000/ PVC	6014033	6178 43 7		180
LKV 50037	Stone grey 2000/ PVC	6009831	6178 31 2		175	LKV N 10075	Stone grey 2000/ PVC	6014156	6178 43 9		181
LKV 50050	Stone grey 2000/ PVC	6009930	6178 31 4		175	LKV N 75025	Stone grey 2000/ PVC	6013197	6178 42 0		179
LKV 50075	Stone grey 2000/ PVC	6010073	6178 31 6		175	LKV N 75037	Stone grey 2000/ PVC	6013319	6178 42 2		179
LKV 75025	Stone grey 2000/ PVC	6010196	6178 32 0		175	LKV N 75050	Stone grey 2000/ PVC	6013432	6178 42 4		179
LKV 75037	Stone grey 2000/ PVC	6010318	6178 32 2		176	LKV N 75075	Stone grey 2000/ PVC	6013555	6178 42 6		179
LKV 75050	Stone grey 2000/ PVC	6010400	6178 32 4		176	LKV N 75100	Stone grey 2000/ PVC	6013678	6178 42 8		180
LKV 75075	Stone grey 2000/ PVC	6010509	6178 32 6		176	LKV N 75125	Stone grey 2000/ PVC	6013791	6178 43 0		180
LKV 75100	Stone grey 2000/ PVC	6010608	6178 32 8		176	MVKG70130	110/ St / FS	5680765	6279 82 0	/pc.	305
LKV 75125	Stone grey 2000/ PVC	6010707	6178 33 0		177	MVKG70170	150/ St / FS	5680796	6279 82 2		305
LKV D 100	Stone grey 100/ PVC	6041763	6178 51 2		176	MVKG70210	190/ St / FS	5680802	6279 82 4		305
LKV D 100	Stone grey 100/ PVC	6041763	6178 51 2		178	MVKG90130	110/ St / FS	5680819	6279 82 6		305
LKV D 100	Stone grey 100/ PVC	6041763	6178 51 2		180	MVKG90170	150/ St / FS	5680826	6279 82 8		305
LKV D 100	Stone grey 100/ PVC	6041763	6178 51 2		181	MVKG90210	190/ St / FS	5680857	6279 83 0		305
LKV D 125	Stone grey 125/ PVC	6041886	6178 51 4		177	MVKV70130	/ St / FS	5680864	6279 83 2		306
LKV D 125	Stone grey 125/ PVC	6041886	6178 51 4		180	MVKV70170	/ St / FS	5680871	6279 83 4		306
LKV D 25	Stone grey 25/ PVC	6041282	6178 50 4		174	MVKV70210	/ St / FS	5680888	6279 83 6		306
						MVKV90130	/ St / FS	5680895	6279 83 8		306
						MVKV90170	/ St / FS	5680901	6279 84 0		306
						MVKV90210	/ St / FS	5680918	6279 84 2		306

Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page	Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page
S990-AFB2 AL	Aluminium paint/ pc	5405757	6107 15 8	/pc.	354	SKL-DS DBR	Sepia brown/ PVC	6157211	6199 42 5	/pc.	159
S990-AFB2 RW	Pure white/ PC	5121183	6107 15 2		354	SKL-DS DBR	Sepia brown/ PVC	6157211	6199 42 5		161
S990-AFB3 AL	Aluminium paint/ pc	5405771	6107 25 8		354	SKL-DS DBU	Beech/ PVC	6157570	6199 42 7		159
S990-AFB3 RW	Pure white/ PC	5121305	6107 25 2		354	SKL-DS DBU	Beech/ PVC	6157570	6199 42 7		161
S990-AR1 AL	Aluminium paint/ PC	5273288	6107 07 8		354	SKL-DS DCW	Cream/ PVC	6157099	6199 42 3		159
S990-AR1 RW	Pure white/ PC	5273240	6107 07 2		354	SKL-DS DCW	Cream/ PVC	6157099	6199 42 3		161
S990-AR2 AL	Aluminium paint/ PC	5273356	6107 17 8		354	SKL-DS DRW	Pure white/ PVC	6157037	6199 42 1		159
S990-AR2 RW	Pure white/ PC	5273349	6107 17 2		354	SKL-DS DRW	Pure white/ PVC	6157037	6199 42 1		161
S990-AR3 AL	Aluminium paint/ PC	5273424	6107 27 8		354	SKL-EL50DBR	Sepia brown/ PVC	6153435	6199 15 4		158
S990-AR3 RW	Pure white/ PC	5273417	6107 27 2		354	SKL-EL50DBU	Beech/ PVC	6153558	6199 15 6		158
S990-AR80 1 AL	Aluminium paint/ PC	5273479	6107 37 8		355	SKL-EL50DCW	Cream/ PVC	6153374	6199 15 2		158
S990-AR80 1 RW	Pure white/ PC	5273462	6107 37 2		355	SKL-EL50DRW	Pure white/ PVC	6153497	6199 15 0		158
SAISSF	/ St / VZ	5459279	6290 19 8		326	SKL-EL70DBR	Sepia brown/ PVC	6155958	6199 25 5		160
SAISSF	/ St / VZ	5459279	6290 19 8		328	SKL-EL70DBU	Beech/ PVC	6156016	6199 25 7		160
SAISSF	/ St / VZ	5459279	6290 19 8		330	SKL-EL70DCW	Cream/ PVC	6155897	6199 25 3		160
SE-B AL1	Aluminium paint	5405894	6117 61 6		345	SKL-EL70DRW	Pure white/ PVC	6155835	6199 25 1		160
SE-B RW1	Pure white	5405887	6117 61 5		345	SKL-ER50DBR	Sepia brown/ PVC	6153732	6199 16 7		158
SE-B SWGR1	Black-grey	5700999	6117 61 4		345	SKL-ER50DBU	Beech/ PVC	6153794	6199 16 9		158
SFISSFRW	Pure white/ St	5459231	6290 19 6		326	SKL-ER50DCW	Cream/ PVC	6153671	6199 16 5		158
SFISSFRW	Pure white/ St	5459231	6290 19 6		328	SKL-ER50DRW	Pure white/ PVC	6153619	6199 16 3		158
SFISSFRW	Pure white/ St	5459231	6290 19 6		330	SKL-ER70DBR	Sepia brown/ PVC	6156313	6199 26 6		160
SFISSFWAL	White aluminium/ St	5459248	6290 19 7		326	SKL-ER70DBU	Beech/ PVC	6156375	6199 26 8		160
SFISSFWAL	White aluminium/ St	5459248	6290 19 7		328	SKL-ER70DCW	Cream/ PVC	6156139	6199 26 4		160
SFISSFWAL	White aluminium/ St	5459248	6290 19 7		330	SKL-ER70DRW	Pure white/ PVC	6156078	6199 26 2		160
SG2545	/ ST	6628278	6028 41 1		85	SKL-I50DBR	Sepia brown/ PVC	6099993	6199 12 6		158
SK2545	/ ST	6628216	6028 40 3		85	SKL-I50DBU	Beech/ PVC	6100057	6199 12 8		158
SKL-45 DBR	Sepia brown/ PVC	6158898	6199 46 5		159	SKL-I50DCW	Cream/ PVC	6096268	6199 12 4		158
SKL-45 DBR	Sepia brown/ PVC	6158898	6199 46 5		161	SKL-I50DRW	Pure white/ PVC	6096503	6199 12 2		158
SKL-45 DBU	Beech/ PVC	6158959	6199 46 7		159	SKL-I70DBR	Sepia brown/ PVC	6154456	6199 22 7		160
SKL-45 DBU	Beech/ PVC	6158959	6199 46 7		161	SKL-I70DBU	Beech/ PVC	6154517	6199 22 9		160
SKL-45 DCW	Cream/ PVC	6158836	6199 46 3		159	SKL-I70DCW	Cream/ PVC	6154395	6199 22 5		160
SKL-45 DCW	Cream/ PVC	6158836	6199 46 3		161	SKL-I70DRW	Pure white/ PVC	6154333	6199 22 3		160
SKL-45 DRW	Pure white/ PVC	6158775	6199 46 1		159	SKL-R DBR	Sepia brown/ PVC	6156856	6199 40 6		159
SKL-45 DRW	Pure white/ PVC	6158775	6199 46 1		161	SKL-R DBR	Sepia brown/ PVC	6156856	6199 40 6		161
SKL-50DBR	Sepia brown 2000/ PVC	6096381	6199 10 7		158	SKL-R DBU	Beech/ PVC	6156979	6199 40 8		159
SKL-50DBU	Beech 2000/ PVC	6096442	6199 10 9		158	SKL-R DBU	Beech/ PVC	6156979	6199 40 8		161
SKL-50DCW	Cream 2000/ PVC	6096206	6199 10 5		158	SKL-R DCW	Cream/ PVC	6156733	6199 40 4		159
SKL-50DRW	Pure white 2000/ PVC	6096329	6199 10 3		158	SKL-R DCW	Cream/ PVC	6156733	6199 40 4		161
SKL-70DBR	Sepia brown 2000/ PVC	6154210	6199 20 6		160	SKL-R DRW	Pure white/ PVC	6156795	6199 40 2		159
SKL-70DBU	Beech 2000/ PVC	6154272	6199 20 8		160	SKL-R DRW	Pure white/ PVC	6156795	6199 40 2		161
SKL-70DCW	Cream 2000/ PVC	6154159	6199 20 4		160	SKL-SA50DBR	Sepia brown/ PVC	6153978	6199 18 4		158
SKL-70DRW	Pure white 2000/ PVC	6154098	6199 20 2		160	SKL-SA50DBU	Beech/ PVC	6154036	6199 18 6		158
SKL-A50DBR	Sepia brown/ PVC	6153251	6199 13 7		158	SKL-SA50DCW	Cream/ PVC	6153916	6199 18 2		158
SKL-A50DBU	Beech/ PVC	6153312	6199 13 9		158	SKL-SA50DRW	Pure white/ PVC	6153855	6199 18 0		158
SKL-A50DCW	Cream/ PVC	6153190	6199 13 5		158	SKL-SA70DBR	Sepia brown/ PVC	6156610	6199 28 5		160
SKL-A50DRW	Pure white/ PVC	6119615	6199 13 3		158	SKL-SA70DBU	Beech/ PVC	6156672	6199 28 7		160
SKL-A70DBR	Sepia brown/ PVC	6154692	6199 23 6		160	SKL-SA70DCW	Cream/ PVC	6156498	6199 28 3		160
SKL-A70DBU	Beech/ PVC	6155774	6199 23 8		160	SKL-SA70DRW	Pure white/ PVC	6156559	6199 28 1		160
SKL-A70DCW	Cream/ PVC	6154630	6199 23 4		160	SKL-Z DBR	Sepia brown/ PVC	6158652	6199 44 6		159
SKL-A70DRW	Pure white/ PVC	6154579	6199 23 2		160	SKL-Z DBR	Sepia brown/ PVC	6158652	6199 44 6		161
SKS-D0 AL1	Aluminium paint/ PC	6212774	6117 00 9		160	SKL-Z DBU	Beech/ PVC	6158713	6199 44 8		159
SKS-D0 AL2	Aluminium paint/ PC	6212835	6117 02 0		160	SKL-Z DBU	Beech/ PVC	6158713	6199 44 8		161
SKS-D0 AL3	Aluminium paint/ PC	6213078	6117 03 1		160	SKL-Z DCW	Cream/ PVC	6158294	6199 44 4		159
SKS-D0 MZGN1	Mint green/ PC	6458530	6117 00 5		160	SKL-Z DCW	Cream/ PVC	6158294	6199 44 4		161
				/pc.		SKL-Z DRW	Pure white/ PVC	6157938	6199 44 2		159
						SKL-Z DRW	Pure white/ PVC	6157938	6199 44 2		161
						SKS-CH0 RW1	Pure white/ PC	5008866	6117 20 0		342

Type listing

Structure of the EAN number: Country code **40**

Manufacturer code **1219** (for articles beginning with **0: 1010**)

Individual EAN-C **5647589**

Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page	Type	Dimensions/Colour/Div.	EAN-C.	Art. no.	Price	Page
WDK-HF60150	Pure white 180/ PC/ABS	5237778	6175 23 4	/pc.	134	ZP-80 1RW	Pure white	5406006	6258 07 3	/pc.	355
WDK-HI30045	Pure white 60/ PC/ABS	5237488	6175 05 1		129						
WDK-HI40060	Pure white 85/ PC/ABS	5237495	6175 05 7		130						
WDK-HI40061	Pure white 85/ PC/ABS	5237501	6175 06 3		131						
WDK-HI60090	Pure white 130/ PC/ABS	5237518	6175 06 9		132						
WDK-HI60110	Pure white 130/ PC/ABS	5237525	6175 07 5		133						
WDK-HI60150	Pure white 130/ PC/ABS	5237532	6175 08 1		134						
WDK-HT30045	Pure white 130/ PC/ABS	5237785	6175 25 5		129						
WDK-HT40060	Pure white 170/ PC/ABS	5237815	6175 26 1		130						
WDK-HT40061	Pure white 170/ PC/ABS	5237822	6175 26 7		131						
WDK-HT60090	Pure white 170/ PC/ABS	5237839	6175 27 3		132						
WDK-HT60110	Pure white 190/ PC/ABS	5237846	6175 27 9		133						
WDK-HT60150	Pure white 250/ PC/ABS	5237877	6175 28 5		134						
WDKM11	Pure white 2000/ PVC	6798193	6150 10 1	/m	84						
WDKM7	Pure white 2000/ PVC	6798070	6150 07 1		84						
WDKM9	Pure white 2000/ PVC	6798131	6150 09 8		84						
WDKMD12CW	Cream 2000/ PVC	6097692	6150 17 9		84						
WDKMD12RW	Pure white 2000/ PVC	6493036	6150 28 4		84						
WDKMD17CW	Cream 2000/ PVC	6097753	6150 18 7		84						
WDKMD17RW	Pure white 2000/ PVC	6492978	6150 29 2		84						
WDKMD4CW	Cream 2000/ PVC	6097579	6150 15 2		84						
WDKMD4RW	Pure white 2000/ PVC	6493159	6150 26 8		84						
WDKMD7CW	Cream 2000/ PVC	6097630	6150 16 0		84						
WDKMD7RW	Pure white 2000/ PVC	6493098	6150 27 6		84						
WDK-N10020CW	Cream 2000/ PVC	6097814	6150 40 3		86						
WDK-N10020RW	Pure white 2000/ PVC	6492190	6150 41 1		86						
WDK-N10030CW	Cream 2000/ PVC	6097876	6150 44 6		88						
WDK-N10030RW	Pure white 2000/ PVC	6491711	6150 45 4		88						
WDK-N15030CW	Cream 2000/ PVC	6507979	6150 51 9		91						
WDK-N15030RW	Pure white 2000/ PVC	6493456	6150 52 7		91						
WDK-N15040CW	Cream 2000/ PVC	6097999	6150 53 5		93						
WDK-N15040RW	Pure white 2000/ PVC	6494477	6150 54 3		93						
WDK-N20050CW	Cream 2000/ PVC	6438495	6168 72 8		97						
WDK-N20050RW	Pure white 2000/ PVC	6802159	6168 74 4		97						
WDK-N25040CW	Cream 2000/ PVC	6507191	6150 63 2		100						
WDK-N25040RW	Pure white 2000/ PVC	6975686	6150 64 0		100						
WS-B AL0.5	Aluminium paint	5275756	6117 62 8	/pc.	345						
WS-B AL1	Aluminium paint	5275862	6117 64 1		345						
WS-B RW0.5	Pure white	5275749	6117 62 7		345						
WS-B RW1	Pure white	5275824	6117 64 0		345						
WS-B SWGR0.5	Black-grey	5701033	6117 62 6		345						
WS-B SWGR1	Black-grey	5701071	6117 64 2		345						
ZL-SKS	Cream	6180196	6117 20 5		342						
ZL-SKS	Cream	6180196	6117 20 5		344						
ZP-80 1AL	Aluminium paint	5406013	6258 07 4		355						

Terms and conditions of sale and delivery
of OBO BETTERMANN GmbH & Co. KG, OBO BETTERMANN Projekt und Systemtechnik GmbH
and OBO Befestigungselemente GmbH, Menden.

1. All our supplies and services shall be governed exclusively by the following terms and conditions, including our additional terms and conditions for cable tray business transactions. Any terms and conditions of business and purchasing of the customer shall be valid only if we have acknowledged them in writing. Our quotations are without engagement; they are mere invitations to submit contract offers. Any and all transactions and agreements, including those entered into by our employees and agents shall only be binding upon our written confirmation or invoicing. The foregoing provision shall also apply to any modifications of the agreed formal requirements.

2. The documents and data pertaining to the quotation, such as illustrations, brochures, drawings, dimensions, loading capacity values and weight details are approximate only, unless they are expressly stipulated to be binding.

Samples are non-binding samples for inspection. Any purchase according to sample will be subject to customary deviations and deviations resulting from normal production processes. The properties of the sample shall be no guaranteed quality of the purchase object unless expressly stated otherwise in the confirmation of order. Samples must be returned to us at the latest within four weeks in perfect condition. If they are not returned within this period in proper condition, we shall be entitled to charge the purchase price for the sample in accordance with our current price list. All information on our products, in particular the illustrations, drawings, weight, dimension and performance data included in our quotations and printed matter shall be regarded as approximate average values and shall not represent any quality guarantee.

With regard to products made according to customer drawings, samples and other instructions of the customer, we will not provide any warranty nor assume any liability for the due and proper functioning of the product or for any other defects if and to the extent they are based upon the customer's specifications. The customer shall indemnify us from any third party claims, including claims for product liability as may be asserted against us for damages resulting from the products unless we have caused such damages by intent or gross negligence. The customer shall warrant that the manufacture and supply of products made in accordance with his instructions will not infringe any proprietary rights of third parties. Should any proprietary rights be asserted against us, we shall be entitled, without any legal review of the third party claims, to withdraw from the contract after hearing the customer, unless the third party withdraws the claims asserted against us under its proprietary rights within eight days by written declaration. The customer shall compensate us for any damage sustained as a result of the assertion of proprietary rights. In case of withdrawal, the work we have carried out so far shall be remunerated. Further rights under the statutory provisions shall not be affected thereby.

Any moulds, tools and design data produced by us for the execution of the order shall be our exclusive property. Unless expressly agreed otherwise, the customer shall not have any claims thereto, even if he has contributed to the costs of producing any such moulds, tools and design data.

3. The packing, shipping route and means of transportation shall be left to our discretion in the absence of any other agreements. They shall be charged at their cost price. We will take back undamaged cases, when being returned carriage paid, at 2/3 of the amount invoiced. The one-way or pool pallets used for transport shall be either exchanged upon taking delivery or returned. The smallest packing units stocked and listed may not be broken up for rationalisation reasons. In case of orders for different quantities, the nearest packing unit will be supplied.

We reserve the right to deviate from the agreed delivery quantity, in particular in the case of custom-made products, to a customary extent or in conformity with national or international standards. In case of a demand for adhering to a precise quantity, an express reference is necessary and subject to confirmation.

Master and call orders shall oblige the customer to accept the total quantity on which the master/call order is based. Where no particular call orders are specified in the contract, the total quantity of the master call order must be called within twelve months. If the customer fails to adhere to call deadlines, we shall be entitled to deliver and charge the total quantity in full after four weeks from written notice with reference to the consequences of any failure to call. Our rights arising from any default of the customer shall not be affected thereby.

4. Unless otherwise agreed, our prices are quoted ex works and do not include packing and insurance. The value added tax at the rate applicable on the date of dispatch will be added to our prices. The purchaser shall ensure the correctness of his VAT identification number, which he must notify to us immediately without being asked. He shall undertake to inform both us and the competent domestic tax authority without delay of any change in his name, address and VAT identification number.

Delivery shall be franco domicile within Germany, i.e. carriage and packing prepaid, if the net order value is in excess of € 1,200. For small orders below € 100 (net excluding value added tax), we shall invoice a lower quantity surcharge of € 10 (net) per order. Upon transfer of our supplies and services to a carrier or forwarding agent, at the latest upon their leaving our warehouse or supply plant, the risk shall pass to the recipient, even in case of deliveries free place of destination.

5. Delivery periods and delivery deadlines shall be approximate only unless we have expressly stated in writing that they are binding. Delivery periods shall commence upon receipt of our confirmation of order, but not before clarification of all execution details, ex place of delivery. The customer shall only be entitled to withdraw from the contract after having granted a reasonable extension of time. We reserve the right to make partial deliveries. Claims for damages and reimbursement of expenses - for any reason whatsoever - shall be subject to the provisions set out in article 10.

In the event of any circumstances that are beyond our control within the scope of normal operating risks and obstruct or make impracticable any delivery, we shall be entitled to suspend delivery by the duration of such obstruction plus a reasonable start-up period or to withdraw from the contract for the part not yet fulfilled. The purchaser can demand a statement from us as to whether we wish to deliver within a reasonable period or withdraw. If we fail to make such a statement, the purchaser may withdraw. Our notice to the purchaser shall be deemed to be sufficient evidence that we have been prevented from delivering.

Delivery time is extended in case of such events as labour disputes, strikes and lockouts, orders from the authorities, difficulties with the procurement of materials, spoiled work or post-processing, shutdowns and staff shortage as well as shortage of means of transport, and general occurrence of unforeseen events beyond our scope of influence, by the length of duration of these events.

6. Payments shall be made upon receipt of invoice less a 3% cash discount for payment within 10 days or net after 30 days from date of invoice. Erection work and all paid labour work must be paid within 10 days without deduction of any cash discount. In case of non-cash payments, the date of the credit note will be deemed to be the date of receipt of payment. Payments received shall always be credited first against costs, then against interest and then against the earliest liability. Cheques and bills of exchange shall only be accepted as means of payment. Any payment by bill of exchange shall be subject to a prior separate and written agreement, whereby all bill costs shall be borne by the customer and no discount can be granted. The customer shall have no right to refuse performance and no right of retention - for any legal reason whatsoever - unless we have acknowledged his claim beforehand in writing or his claim has the force of law.

The customer shall only be entitled to set off claims which have the force of law, are undisputed or acknowledged by us in writing.

7. We shall retain title to the goods supplied by us until all our claims arising from our business transactions with the customer have been satisfied - current account clause - and all bills of exchange or cheques submitted for payment by the customer have been honoured.

Any treatment or processing of goods subject to our retention of title (reserved goods) shall be carried out by us as the manufacturer in accordance with § 950 BGB (German Civil Code) without any obligation on our part. If our reserved goods are to be regarded as the main item or the main item is owned by the customer, full title to the new item shall pass to us when it is created. In other cases, we shall acquire a co-ownership interest in the new item in the proportion of the sales value of our reserved goods to the other goods used for the new item at the time of processing, intermingling, joining or mixing. The customer shall take custody of our ownership or co-ownership interest free of charge; it shall be treated as reserved goods.

Before transfer of title, our goods shall be neither pledged nor assigned as collateral without our prior consent. In addition, any third party rights or pledges shall be notified to us immediately and we shall be given all details and provided all documents necessary for intervention; otherwise the customer must bear our loss. In the latter case, our total claims against the customer shall also be immediately payable.

The customer shall be entitled to sell or to use our reserved goods in the ordinary course of business subject to the condition that the relevant claims are transferred in accordance with article 8 below. This right shall lapse upon the customer's failure to promptly meet his payment obligations towards us or in the event of any cheque or bill protests or his suspension of payments. In such cases, we shall be entitled to take back the goods provisionally at the

customer's expense and to sell them to our duly exercised discretion after a corresponding reminder has been sent to the customer. We will then pass the due amount to the customer's credit.

8. If our goods are sold before payment of our claim, the customer shall be obliged to retain our title against his purchaser until the goods have been paid for in full by the purchaser. The claim arising against the purchaser from such resale as well as any other ancillary rights or security interests of the customer resulting from the sale and any claims for compensation in case of damage to or destruction of our reserved property, including the relevant insurance sum shall hereby be assigned to us. We hereby accept this assignment. Where our co-ownership interest is sold, the relevant claims shall be assigned in the amount corresponding to the value of our interest.

The customer shall, at our request, inform us of his purchasers, notify them of the assignment made and provide us with any and all documents required to assert our rights.

As long as the customer meets his contractual obligations without delay, he shall be authorised to collect the claims assigned. He shall keep the amounts collected on our behalf separately and remit them to us immediately as soon and as far as our claims become due. The authorisation shall lapse in case of any cheque or bill protest of the customer or his definite suspension of payments. The customer shall bear the costs incurred for any action taken against third parties and shall advance them upon request.

If the security provided to us by the retention of title and the anticipatory assignment should exceed the claims to be secured by more than 20%, we shall, at the customer's request, release paid supplies of our choice. Upon payment of all our claims by the customer, assigned claims shall pass to the customer.

9. Any complaints for obvious defects regarding the quantity or quality of our supplies and services that are identifiable upon careful inspection shall without delay, but at the latest within the period of limitation of eight days from arrival of the goods at the address of the customer or the person appointed by him, be notified in writing to us, not to our representatives. Slight deviations in dimensions and designs within the scope of defined technical tolerances shall not give rise to any right of complaint. Any rejected goods may only be returned to us with our prior written authorisation.

In case of justified complaints within the prescribed period, we shall, at our option, take remedial action by way of subsequent performance, by rectifying the defect, supplying non-defective goods or providing a credit note for the lower value calculated.

We shall be entitled to refuse subsequent performance in accordance with the statutory provisions. If we refuse subsequent performance, if any subsequent performance remains unsuccessful or if the customer cannot be reasonably expected to accept any subsequent performance, the latter shall be entitled to withdraw from the contract in compliance with the provisions of the following sentences. The customer shall only be entitled to withdraw from the contract - where a withdrawal is not excluded by law - upon the unsuccessful expiry of a reasonable period for subsequent performance set by him, unless this period was not required under the statutory provisions (§§ 281 para. 2, 323 para. 2, 440, 441 para. 1 BGB (German Civil Code)).

In case of his withdrawal, the customer shall be liable for any deterioration, destruction or loss of use resulting from any negligence or intent on his part. Any claims for damages or reimbursement of expenses of the customer shall be subject to the provisions set out in article 10.

In the case of any fraudulent concealment of a defect or in the case of any provision of a quality guarantee for the goods sold at the time of the passing of risk within the meaning of § 444 BGB (German Civil Code) (seller's declaration that the object sold has a specific property at the time of the passing of risk and that the seller, regardless of any fault on his part, intends to be answerable for any and all consequences resulting from its absence), the customer's rights shall be exclusively governed by the statutory provisions.

We shall - in addition to the statutory grounds for refusal - also be entitled to refuse subsequent performance if and as long as the customer fails to send us, at our request, the rejected goods or a sample thereof; the customer shall have no right of withdrawal for any such refusal. We may further refuse any subsequent performance if the goods concerned have been altered or modified without our consent unless the customer can prove that the defect was not caused by such alteration or modification.

The limitation period for any claims arising from defects shall be one year; in the case of goods which have been used in accordance with their intended purpose for a building and have caused its defectiveness, the limitation period shall be two years. The provisions of §§ 478, 479 BGB (German Civil Code) on recourse in the chain of suppliers shall not be affected thereby.

10. In the case of a pre-contractual, contractual or non-contractual breach of duty, including unsatisfactory delivery, tortious conduct and producer's liability, we shall only be liable for compensatory damages and reimbursement of expenses - subject to further contractual or statutory liability requirements - in the case of intent, gross negligence or slightly negligent breach of a material contractual duty (contractual duty the infringement of which jeopardises the fulfilment of the object of the contract). However - except in the case of intent - our liability shall be limited to the typical contractual damage that was foreseeable at the time the contract was entered into. The purchaser shall not be permitted to make a claim for expenses incurred in vain.

Except for any breach of material duties, our liability for slight negligence shall be excluded, but in any case be limited to the amount of the purchase price.

Any claim asserted by the customer or a third party for payment of a contractual penalty shall be excluded.

With regard to damages caused by delay, we shall only be liable for slight negligence up to the amount of 5% of the purchase price agreed with us.

The exclusions and limitations of liability set forth above shall not apply in the event that a guarantee is given with respect to the quality of the object sold within the meaning of § 444 BGB (German Civil Code) if a defect is fraudulently concealed or in the event of injury to life, physical injury or injury to health, or strict liability under the German Product Liability Act.

Any and all claims for damages against us, for any legal reason whatsoever, shall become statute-barred at the latest after one year from delivery of the goods to the customer, in the case of tortious liability from the time of knowledge, or grossly negligent ignorance, of the circumstances giving rise to the claim and the person liable to pay damages. This provision shall not apply in the case of liability for intent and in the event that a guarantee is given for the quality of the object sold, in the case of fraudulent concealment of a defect or in the event of injury to life, physical injury or injury to health, or strict liability under the German Product Liability Act. Any shorter limitation periods shall take precedence.

11. We shall be entitled to process and store any customer data obtained with regard to or in connection with the business relationship in accordance with the German Federal Data Protection Act, irrespective of whether such data is provided by the purchaser himself or by any third parties.

12. Place of performance for delivery and payment is Menden/Sauerland. The court of competent jurisdiction for any and all disputes, including disputes with regard to bills of exchange and cheques, is the Local Court (Amtsgericht) of Menden or, at our option, the District Court (Landgericht) of Arnsberg, irrespective of the value of the object in dispute. We shall, however, also be entitled to take legal proceedings against the customer at the place of his registered office.

German law shall be exclusively applicable. The application of international purchase laws is hereby excluded.

Should, for any reason whatsoever, individual provisions of our terms and conditions of sale and delivery be invalid, the validity and binding nature of the other provisions shall not be affected thereby. The customer agrees, that the invalid provision shall be replaced by a valid provision that comes as close as possible to the economic meaning of the invalid provision.

13. The prices of products made of brass and copper are subject to certain fluctuations that are based on the relevant DEL listings. The prices of our brass articles are based on a DEL listing of € 150 for Ms 58, those of our copper products on a DEL value for electrolyte copper of € 200.

In case of any increase or reduction in these prices by more than € 15, a five per cent surcharge or deduction shall be made for each 15 points. The calculation of any such surcharges or deductions shall be based on the DEL listing of the date of our receipt of the order.

Valid from August 2004



QR-Code

With the QR Code you have direct access to our products on the Internet.

You can find further information on the QR Code at www.obo-bettermann.com.

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