



Halogen-free cable routing and device installation systems

Low smoke gas production, low corrosion, safe.

A safe choice in public areas

OBO halogen-free cable routing systems protect people, the environment and property. All the products are made from high-quality PC/ABS (polycarbonate/acrylonitrile butadiene styrene). This material is one of the self-extinguishing plastics.

The safety aspects

- Low smoke creation
- Low toxicity of the smoke gases
- Scarcely any release of corrosive gases
- Perfectly suited to public areas

Dangerous smoke gases from plastics

Plastics have good insulating properties and can be processed easily. However, during a fire they can create aggressive gases, which are a danger to people and property.

Heavy smoke development

Flame-protection agents, based on halogen compounds such as fluorine, iodine, chlorine and bromine, are used to keep the flammability of PVC low. This aspect, which actually increases safety, can turn into a dangerous disadvantage during a fire, as toxic smoke gases, such as carbon dioxide and carbon monoxide, are created.



These usually endanger people far more quickly than flames and heat. For example, in the catastrophic fire at Düsseldorf Airport in 1996 or in the Tauern Tunnel

in 1999, considerable quantities of burned plastics contributed to the formation of smoke and hazardous substances. A highly toxic mixture, which can be lethal after just a few breaths.

Protecting existing buildings better

To guarantee increased property protection in the event of a fire, and to prevent the damage and costs following a fire, halogen-free cable routing systems (made of PC/ABS) must be installed in many public buildings. Standard PVC releases corrosive hydrogen chlorine gas, which, in conjunction with the moisture of the extinguishing water, forms hydrochloric acid. Hydrochloric acid presents various risks: On the one hand, it is damaging to health, as it has an irritant effect on the respiratory tracts, and, on the other hand, it attacks the substance of buildings as it eats away at metals and, as an electrically conductive substance, can lead to short circuits. This is why all the halogen-free cable routing systems meet the requirements of DIN EN 50085.

Rapid 45-2 GKH device installation trunking, halogen-free plastic

Device installation trunking system with 45 mm system opening for direct installation of switching and plug-in devices from the Modul 45 series



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Device installation trunking	Trunking cover	External corner hood	External corner	Flat angle	Flat angle	Internal corner hood

GKH-53100 Trunking height 53 mm Trunking width 100 mm	6114157	6114162	6113050	6113045	6113090	6113085	6113070
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Internal corner	T piece	End piece	Partition	Joint cover	Joint cover

GKH-53100 Trunking height 53 mm Trunking width 100 mm	6113065	6113100	6113110	6114166	6113020	6113030
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Colour: Pure white

You can find our comprehensive overall system in the "Device installation trunking and poles" catalogue.



Overview, Rapid 80 GKH device installation trunking, halogen-free plastic

Device installation trunking with 80 mm system opening for installation of switching and connecting devices in device installation sockets



GKH70130 Trunking height 70 mm, Trunking width 130 mm 	6114200	6114210	6274410	6114220	6114230	6274420	6114240
GKH70170 Trunking height 70 mm, Trunking width 170 mm 	6114300	6114210	6274610	6114320	6114230	6274620	6114340

Colours: Pure white

* One coupling pair is pre-mounted on one side for each trunking length. |

You can find our comprehensive overall system in the "Device installation trunking and poles" catalogue.















									
Flat angle cover, smooth	Internal corner cover, variable	Internal corner	T piece	End piece	Separating retainer	Duct clamp	Coupling	Accessory mounting box single	Accessory mounting box double
6114250	6274440	6114260	6114270	6114280	6114290	6288640	6274650	6288610	6288608
6114250	6274640	6114360	6114370	6114380	6114290	6288640	6274650	6288610	6288608





Overview WDKH wall and ceiling trunking

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	Wall and ceiling trunking	Internal corner	External corner	Flat angle	T piece	End piece
WDKH 10020						
System size* 10 x 20 mm 	6175375	6175572	6175612	6175648	6175684	6175540
WDKH 15030						
System size 15 x 30 mm 	6175390	6175578	6175618	6175654	6175690	6175546
WDKH 20020						
System size 20 x 20 mm 	6175400	6175581	6175624	6175658	6175694	6175550
	6175460	6175964	6176000	6176036	6176072	6175928
WDKH 30045						
System size 30 x 45 mm 	6175405	6175590	6175626	6175662	6175698	6175554
	6175463	6175968	6176004	6176040	6176076	6175932

Colours:  Pure white  Light grey








* The system size may deviate from the dimensions in detail. You can find the exact dimensions in the catalogue or on the Internet. |
You can find our comprehensive overall system in the "Cable routing systems" catalogue.



Overview WDKH wall and ceiling trunking

**HALOGEN
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Wall and ceiling trunking	Internal corner	External corner	Flat angle	T piece	Partition	End piece

System size*	Wall and ceiling trunking	Internal corner	External corner	Flat angle	T piece	Partition	End piece
WDKH 40060 40 x 60 mm	6175410	6175594	6175630	6175666	6175702		6175558
	6175466	6175972	6176008	6176044	6176080	6175500	6175936
WDKH 60090 60 x 90 mm	6175415	6175598	6175634	6175670	6175706		6175562
	6175469	6175976	6176012	6176048	6176084	6175504	6175940
WDKH 60110 60 x 110 mm	6175420	6175602	6175638	6175674	6175710		6175566
	6175472	6175980	6176016	6176052	6176088	6175504	6175944
WDKH 60150 60 x 150 mm	6175425	6175606	6175642	6175678	6175714		6175570
	6175475	6175984	6176020	6176056	6176092	6175504	6175948

Colours: Pure white Light grey

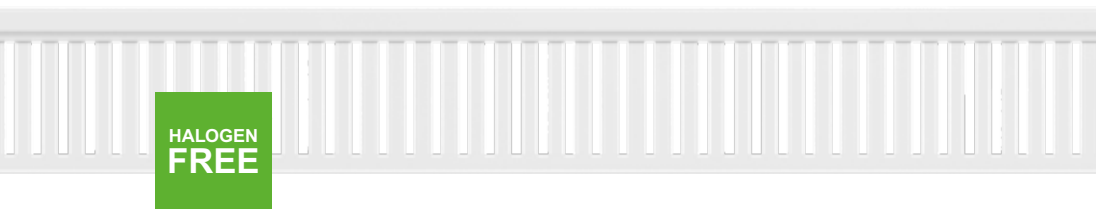
* The system size may deviate from the dimensions in detail. You can find the exact dimensions in the catalogue or on the Internet.†

† You can find our comprehensive overall system in the "Cable routing systems" catalogue.



Overview, LKVH wiring trunking, halogen-free

DIN wiring trunking system for cable routing in switchgear cabinets



			
LKVH 50037	LKVH 50050	LKVH 50075	LKVH 75037
Trunking height 50 mm Trunking width 37 mm	Trunking height 50 mm Trunking width 50 mm	Trunking height 50 mm Trunking width 75 mm	Trunking height 75 mm Trunking width 37 mm
6178582	6178585	6178588	6178552
			
LKV H H	KNW1	KNW2	KSN1
Wire retainer	Riveting tool for KSN 1	Riveting tool for KSN 22	Spreading rivet 4.5 mm
6178650	6178527	6178529	6178520

Colour:  Light grey You can find our comprehensive overall system in the "Cable routing systems" catalogue.



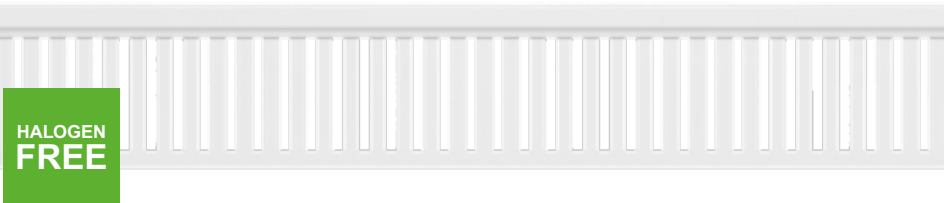


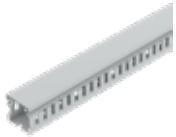
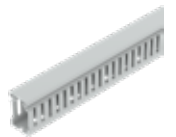
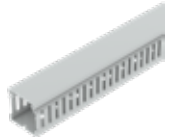
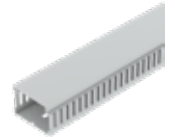




			
LKVH 75050	LKVH 75075	LKVH 75100	LKVH 75125
Trunking height 75 mm Trunking width 50 mm	Trunking height 75 mm Trunking width 75 mm	Trunking height 75 mm Trunking width 100 mm	Trunking height 75 mm Trunking width 125 mm
6178556	6178559	6178563	6178566
			
KSN22	AKZ	2064 GTPL 2M	2069 2M GTPL
Spreading rivet 6.5 mm	Release pliers	Support rail, perforated	Hat profile rail, perforated
6178525	6178535	1115065	1115669



Overview, LK4H wiring trunking, halogen-free

Wiring trunking system with metric dimensions for cable routing in switchgear cabinets



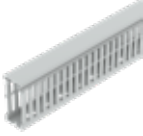
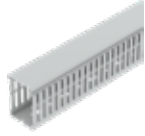
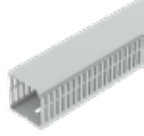
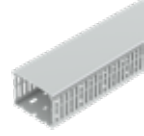
			
LK4H 30030	LK4H 40025	LK4H 40040	LK4H 40060
Trunking height 30 mm Trunking width 30 mm	Trunking height 40 mm Trunking height 25 mm	Trunking height 40 mm Trunking height 40 mm	Trunking height 40 mm Trunking height 60 mm
6132540	6132544	6132546	6132548
			
LK4H N 80025	LK4H N 80040	LK4H N 80060	LK4H N 80080
Trunking height 80 mm, Trunking height 25 mm	Trunking height 80 mm Trunking height 40 mm	Trunking height 80 mm Trunking height 60 mm	Trunking height 80 mm Trunking height 80 mm
6132560	6132562	6132564	6132566

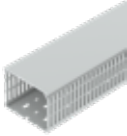

Colour:  Light grey You can find our comprehensive overall system in the "Cable routing systems" catalogue.

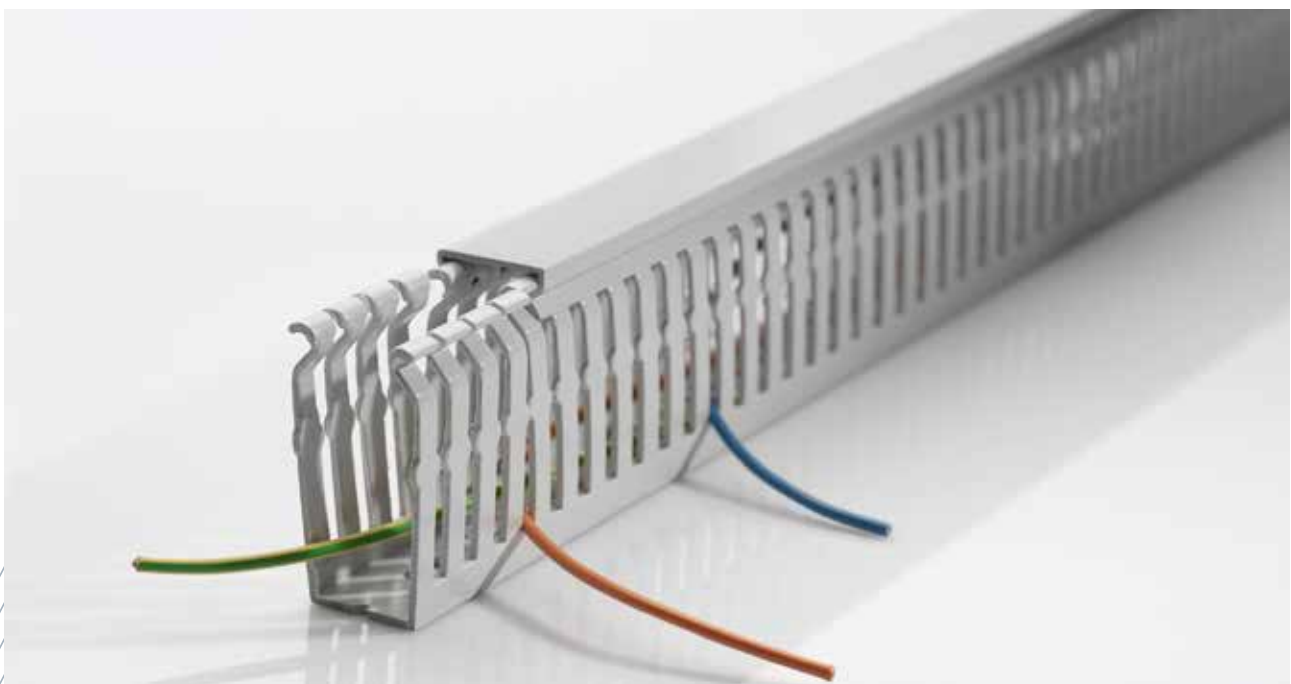




UL File ML 523202

			
LK4H N 60025	LK4H N 60040	LK4H N 60060	LK4H N 60080
Trunking height 60 mm Trunking height 25 mm	Trunking height 60 mm Trunking width 40 mm	Trunking height 60 mm Trunking height 60 mm	Trunking height 60 mm Trunking height 60 mm
6132550	6132552	6132554	6132556

	
LK4H N 80100	VDK HF KHKUni
Trunking height 80 mm Trunking height 100 mm	Cable retaining clamp
6132568	6132593



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