



# Halogen-free cable routing systems

Low smoke gas production, low corrosion, safe.

# A safe choice in public areas

OBO halogen-free cable routing systems protect people, property and the environment. 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 for 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 – 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. If there is a fire, this safety aspect becomes a dangerous disadvantage: 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 fire catastrophe 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.

## Corrosive fire gases

PVC releases corrosive hydrogen chloride gas, which, in conjunction with water, forms hydrochloric acid. Hydrochloric acid has a highly caustic effect on the respiratory channels. As an electrically conductive substance, it can cause short circuits and destroy devices.

Further corrosive combustion gas products are cyanide and ammonia. In addition, extremely toxic dioxins can damage the building to such an extent that the reconstruction of parts of the building becomes very expensive or even impossible.

Therefore, from a fire protection perspective, halogen-free installation materials are a safe alternative. The Association of Property Insurers in Germany also prescribes halogen-free materials for building areas in which many people meet. The term "halogen-free" excludes any organic chlorine or bromine compounds.


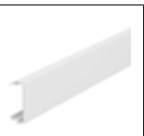


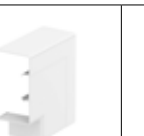





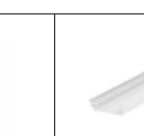
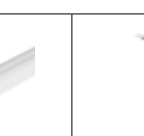
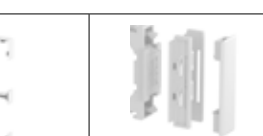
Design, function and protection perfectly combined



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













**NEW**



<div style="background-color: #4CAF50; color: white; padding: 5px; font-weight: bold;">HALOGEN FREE</div>							
	Device installation trunking	Trunking cover	External corner hood	External corner	Flat angle	Flat angle	Internal corner hood
<b>GKH-53100</b> Trunking height 53 mm Trunking width 100 mm	<b>6114157</b>	<b>6114162</b>	<b>6113050</b>	<b>6113045</b>	<b>6113090</b>	<b>6113085</b>	<b>6113070</b>
							
	Internal corner	T piece adapter	End piece	Partition	Trunking connector and joint cover	Joint cover for Rapid 45-2 cover	
<b>GKH-53100</b> Trunking height 53 mm Trunking width 100 mm	<b>6113065</b>	<b>6113100</b>	<b>6113110</b>	<b>6114166</b>	<b>6113020</b>	<b>6113030</b>	

# Overview WDKH wall and ceiling trunking

HALOGEN  
FREE



						
	Wall and ceiling trunking	Internal corner	External corner	Flat angle	T piece	End piece
<b>WDKH 10020</b>						
System size* 10 x 20 mm 	<b>6175 37 5</b>	<b>6175 57 2</b>	<b>6175 61 2</b>	<b>6175 64 8</b>	<b>6175 68 4</b>	<b>6175 54 0</b>
<b>WDKH 15030</b>						
System size 15 x 30 mm 	<b>6175 39 0</b>	<b>6175 57 8</b>	<b>6175 61 8</b>	<b>6175 65 4</b>	<b>6175 69 0</b>	<b>6175 54 6</b>
<b>WDKH 20020</b>						
System size 20 x 20 mm 	<b>6175 40 0</b>	<b>6175 58 1</b>	<b>6175 62 4</b>	<b>6175 65 8</b>	<b>6175 69 4</b>	<b>6175 55 0</b>
	<b>6175 46 0</b>	<b>6175 96 4</b>	<b>6176 00 0</b>	<b>6176 03 6</b>	<b>6176 07 2</b>	<b>6175 92 8</b>
<b>WDKH 30045</b>						
System size 30 x 45 mm 	<b>6175 40 5</b>	<b>6175 59 0</b>	<b>6175 62 6</b>	<b>6175 66 2</b>	<b>6175 69 8</b>	<b>6175 55 4</b>
	<b>6175 46 3</b>	<b>6175 96 8</b>	<b>6176 00 4</b>	<b>6176 04 0</b>	<b>6176 07 6</b>	<b>6175 93 2</b>

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 our website.



# Overview WDKH wall and ceiling trunking

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

System size*	Wall and ceiling trunking	Internal corner	External corner	Flat angle	T piece	End piece
<b>WDKH 40060</b> 40 x 60 mm	6175 41 0	6175 59 4	6175 63 0	6175 66 6	6175 70 2	6175 55 8
	6175 46 6	6175 97 2	6176 00 8	6176 04 4	6176 08 0	6175 93 6
<b>WDKH 60090</b> 60 x 90 mm	6175 41 5	6175 59 8	6175 63 4	6175 67 0	6175 70 6	6175 56 2
	6175 46 9	6175 97 6	6176 01 2	6176 04 8	6176 08 4	6175 94 0
<b>WDKH 60110</b> 60 x 110 mm	6175 42 0	6175 60 2	6175 63 8	6175 67 4	6175 71 0	6175 56 6
	6175 47 2	6175 98 0	6176 01 6	6176 05 2	6176 08 8	6175 94 4
<b>WDKH 60150</b> 60 x 150 mm	6175 42 5	6175 60 6	6175 64 2	6175 67 8	6175 71 4	6175 57 0
	6175 47 5	6175 98 4	6176 02 0	6176 05 6	6176 09 2	6175 94 8

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 our website.



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

								
	Device installation trunking*	Trunking cover, smooth	External corner hood, variable	External corner	External corner cover, smooth	Flat angle hood	Flat angle	Flat angle cover, smooth
<b>GKH70130</b> Trunking height 70 mm Trunking width 130 mm 	<b>6114 20 0</b>	<b>6114 21 0</b>	<b>6274 41 0</b>	<b>6114 22 0</b>	<b>6114 23 0</b>	<b>6274 42 0</b>	<b>6114 24 0</b>	<b>6114 25 0</b>
<b>GKH70170</b> Trunking height 70 mm Trunking width 170 mm 	<b>6114 30 0</b>	<b>6114 21 0</b>	<b>6274 61 0</b>	<b>6114 32 0</b>	<b>6114 23 0</b>	<b>6274 62 0</b>	<b>6114 34 0</b>	<b>6114 25 0</b>

Colour:  Pure white

\* One coupling pair is mounted on one side for each trunking length.








# Overview wiring trunking, halogen-free

				
<b>LKVH 50037</b>	<b>LKVH 50050</b>	<b>LKVH 50075</b>	<b>LKVH 75037</b>	<b>LKVH 75050</b>
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	Trunking height 75 mm, trunking width 50 mm
<b>6178 58 2</b>	<b>6178 58 5</b>	<b>6178 58 8</b>	<b>6178 55 2</b>	<b>6178 55 6</b>

				
<b>LKV H H</b>	<b>KNW1</b>	<b>KNW2</b>	<b>KSN1</b>	<b>KSN22</b>
Wire retainer	Riveting tool for KSN 1	Riveting tool for KSN 22	Spreading rivet 4.5 mm	Spreading rivet 6.5 mm
<b>6178 65 0</b>	<b>6178 52 7</b>	<b>6178 52 9</b>	<b>6178 52 0</b>	<b>6178 52 5</b>

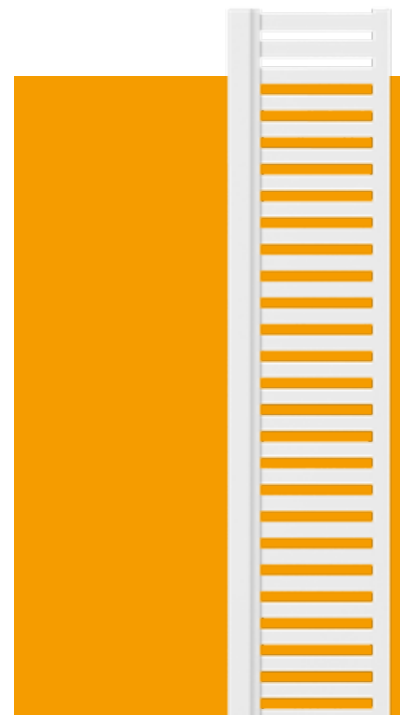
Colour:  Pure white

						
Internal corner hood, variable	Internal corner	T piece	End piece	Separating retainer	Duct clamp	Coupling
<b>6274 44 0</b>	<b>6114 26 0</b>	<b>6114 27 0</b>	<b>6114 28 0</b>	<b>6114 29 0</b>	<b>6288 64 0</b>	<b>6274 65 0</b>
<b>6274 64 0</b>	<b>6114 36 0</b>	<b>6114 37 0</b>	<b>6114 38 0</b>	<b>6114 29 0</b>	<b>6288 64 0</b>	<b>6274 65 0</b>



		
<b>LKVH 75075</b>	<b>LKVH 75100</b>	<b>LKVH 75125</b>
Trunking height 75 mm, trunking width 75 mm	Trunking height 75 mm, trunking width 100 mm	Trunking height 75 mm, trunking width 125 mm
<b>6178 55 9</b>	<b>6178 56 3</b>	<b>6178 56 6</b>

		
<b>AKZ</b>	<b>2064 GTPL 2M</b>	<b>2069 2M GTPL</b>
Release pliers	Support rail, perforated	Hat profile rail, perforated
<b>6178 53 5</b>	<b>1115 06 5</b>	<b>1115 66 9</b>



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