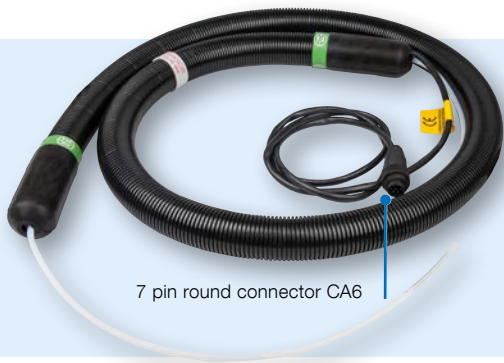


Heated analysis and frost protection lines series HL



7 pin round connector CA6

- Reliable analysis due to heating up to max. 200 °C
- Excellent insulation, low energy consumption, low heat loss
- Robust, resistant, suitable for thermal load
- Ready-to-connect with wire ferrules
- Outer jacket with high chemical resistance and UV protection

Application Electrically heated gas lines are used in gas analysis systems to transport gas samples from the sampling point to the gas treatment system and to keep the temperature from falling below the dew point. A temperature controller maintains a constant temperature.

Self-controlling heated gas lines are used as frost protection lines in gas analysis systems. They do not require a separate controller.

Description Electrically heated analysis lines are made to customer specifications in different versions. The analysis line consists of several layers. The outer material is a corrugated polyamide hose with a thermal insulation layer at the inside (thermal fleece). The inside of the analysis line consists of a PTFE hose to transport the gas to be measured, a heating cable and a metal jacket to protect against damage. The PTFE is replaceable and available in various diameters (DN 4 / DN 6). The heated analysis lines feature end pieces (silicone cap), a Pt 100 sensor (with the exception of the frost protection line) and a 2 m connection line with wire ferrules.

Technical specifications	Heating capacity, specific
	Analysis line: 100 W/m at T = 10 °C
	Frost protection line: 30 W/m at T = 10 °C
	Sensor
	Analysis line: Pt 100, 2-wire
	Operating temperature
	Analysis line: T _{max} 200 °C
	Frost protection line: T _{max} 45 °C
	Supply voltage
	AC 230 V, 50 Hz

Electrical connection
Connection line 2 m with wire ferrule

Material
Carrier: PTFE
Jacket: PA 12

Dimensions
Carrier: Inside Ø 4 mm / outside Ø 6 mm (DN 4) or
inside Ø 6 mm / outside Ø 8 mm (DN 6)
Jacket: Outside Ø approx. 43 mm

- Accessories**
- Wall bushing
 - Insulation sleeves
 - Connector
 - Temperature controller with solid state relay

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PG: 4	Part no.	Base price €	Part no.	Price per metre €
Analysis line HL 4 heated, DN 4 with Pt 100 sensor, connection caps and connection cable	61500		61501	
Analysis line HL 6 heated, DN 6 with Pt 100 sensor, connection caps and connection cable	61502		61503	
Analysis line HLA 4 heated, DN 4 with Pt 100 sensor, connection caps, connection cable and replaceable inner line	61504		61505	
Analysis line HLA 6 heated, DN 6 with Pt 100 sensor, connection caps, connection cable and replaceable inner line	61506		61507	
Analysis line HLE 4 heated, DN 4 with Pt 100 sensor, connection caps and connection cable and stainless steel jacket	61510		61511	
Analysis line HLE 6 heated, DN 6 with Pt 100 sensor, connection caps and connection cable and stainless steel jacket	61512		61513	
Analysis line HLAE 4 heated, DN 4 with replaceable inner line with Pt 100 sensor, connection caps, connection cable, replaceable inner line and stainless steel jacket	61514		61515	
Analysis line HLAE 6 heated, DN 6 with replaceable inner line with Pt 100 sensor, connection caps, connection cable, replaceable inner line and stainless steel jacket	61516		61517	
Analysis HLFR 4 heated, DN 4, self-controlling, can be shortened at any interval (1 m)	61520		61521	
Analysis HLFR 6 heated, DN 6, self-controlling, can be shortened at any interval (1 m)	61522		61523	
Accessories				
Insulating sleeve HL-M	61525		-	-

Please enquire for other heated analysis lines (e.g. EX versions, frost protection lines).

Blue part no. = in-stock items

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Heated analysis line and frost protection line are delivered ready to be connected. Please order the base price plus the desired meter price with separate part number to allow the lines to be made to your exact requirements.