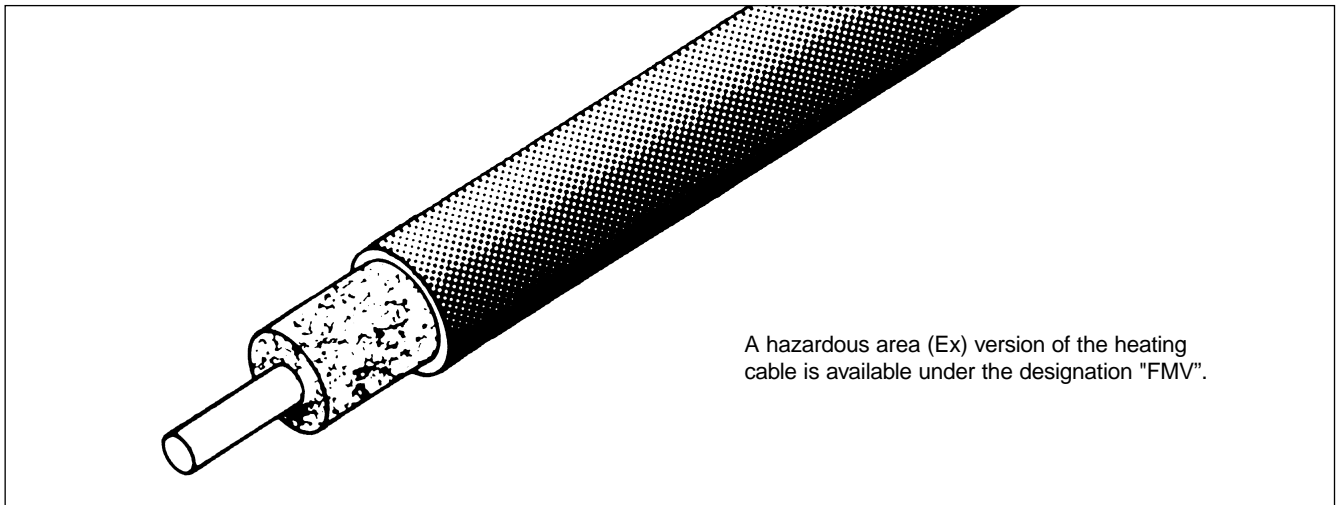


Mineral insulated heating cable (for non hazardous area use)

KMV 8 is a preterminated, mineral insulated heating cable consisting of a NiCr 8020 heating element and a stainless steel 1.4541 metal sheath. The connection joints between heating cable and cold ends are welded using in heavy duty laser technology.

At heating conductor temperatures up to 800°C this cable is mainly used for heating elements with special forms, pipe trace heating in the chemical industry, form/platen heating, container heating and special heaters for aqueous solutions.

The heating cable is watertight and can be used both under high pressure and vacuum conditions. It is ideally suited for transferring large thermal volumes since a high per metre load is possible under appropriate conditions.



Outer diameter (OD) 3.2 mm to 6.5 mm

Specification

Supply voltage	< 800 V AC
Area classification	Non hazardous
System of protection	IP 68, watertight
Max. withstand temperature (power off)	800°C
Max. withstand temperature (power on)	Depending on power, for example 600°C at 250 W/m
Max. heating conductor temperature	800°C
Max. surface temperature	800°C
Bending radius	≥ 5 x OD
Spacing	≥ 2 x OD

Construction

Heating element	NiCr 8020
Electrical insulation	MgO
Outer sheath	1.4541 stainless steel

Termination

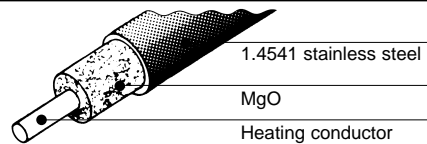
Cold end	2 x 0,5 m stainless steel (standard)
Gland	PG 11 / M 20 (optional)
Leadwire	150 mm

Standard lengths and loadings table

	Length (m)	OD (mm)	Watts	Nominal voltage V AC	Part No.
Nominal power output approx. 100 W/m	1.3	3.2	135	42	244 716-000
	1.9	3.2	190	60	838 376-000
	3.5	3.2	345	110	674 074-000
	5.5	3.2	550	110	1699 616-000
	7.0	3.2	750	230	873 688-000
	9.0	3.2	930	230	805 490-000
	11.0	3.2	1200	230	525 472-000
	14.0	3.6	1510	230	372 748-000
	17.5	3.8	1890	230	841 346-000
	22.0	4.1	2400	230	447 614-000
	35.0	5.0	3780	230	499 162-000
	44.0	5.6	4800	230	965 874-000
Nominal power output approx. 200 W/m	1.0	3.2	180	42	164 022-000
	1.2	3.2	240	42	208 326-000
	1.3	3.2	280	60	877 750-000
	1.7	3.2	340	60	020 112-000
	2.1	3.2	420	60	195 574-000
	2.5	3.2	480	110	865 972-000
	3.1	3.2	620	110	000 594-000
	3.9	3.2	780	110	998 808-000
	4.9	3.6	980	110	665 080-000
	5.0	3.2	1060	230	851 374-000
	6.0	3.2	1400	230	639 790-000
	7.5	3.2	1760	230	022 022-000
10.0	3.6	2120	230	273 884-000	
12.5	3.8	2640	230	535 826-000	
15.5	4.1	3400	230	106 328-000	
19.5	4.5	4300	230	794 980-000	
24.5	5.0	5400	230	094 562-000	
31.0	5.6	6830	230	864 066-000	

Other lengths and power specifications etc. available upon request.

Construction



Ordering details

Part description	KMV 8
Part No.	See table above

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 Flow Control

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