

## FREEZSTOP LOW VOLTAGE WIDE

Electrical heating cable for freeze protection or temperature maintenance.

*Self-Regulating Heating Cable*

- Automatically adjusts heat output in response to increasing or decreasing pipe temperature.
- Can be cut-to-length.
- Inherently temperature safe.
- Suitable for use in safe, hazardous and corrosive areas.
- Full range of controls and accessories available.

### DESCRIPTION

**FREEZSTOP LOW VOLTAGE WIDE** is a light industrial or commercial grade self-regulating heating cable that can be used for freeze protection or temperature maintenance of pipework and vessels in the construction and refrigeration industries.

It can be cut-to-length at site and exact piping lengths can be matched without any complicated design considerations.

**FREEZSTOP LOW VOLTAGE WIDE** is approved for use in non-hazardous and hazardous areas to world wide standards.

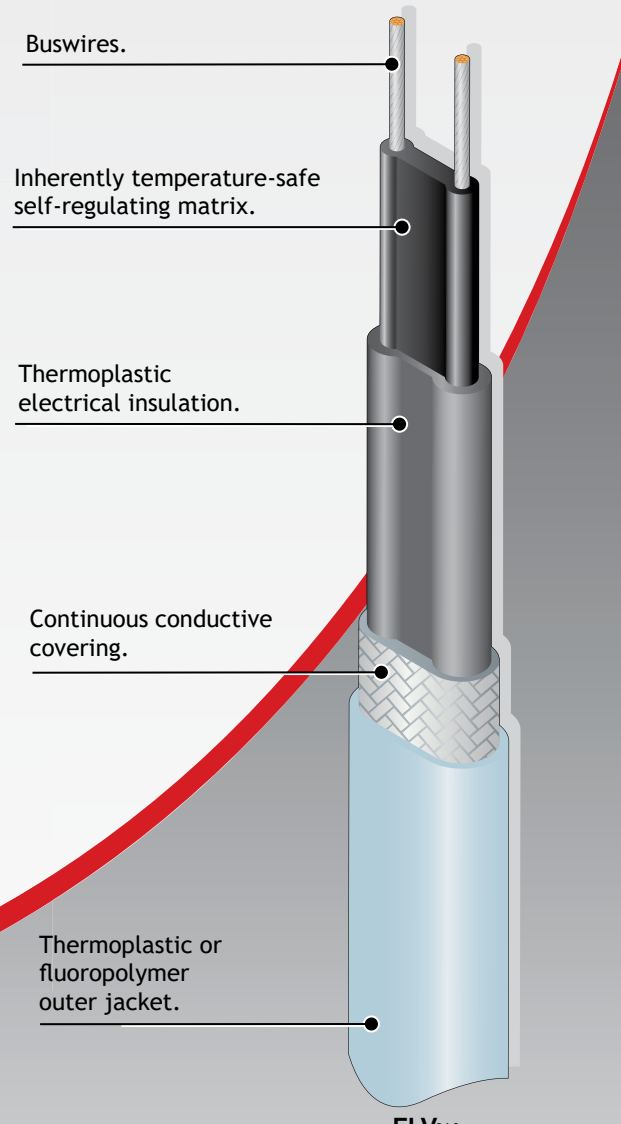
Its self-regulating characteristics improve safety and reliability. **FREEZSTOP LOW VOLTAGE WIDE** will not overheat or burnout, even when overlapped upon itself. Its power output is self-regulated in response to the pipe temperature.

The installation of **FREEZSTOP LOW VOLTAGE WIDE** is quick and simple and requires no special skills or tools. Termination, splicing and power connection components are all provided in convenient kits.

### INHERENTLY TEMPERATURE-SAFE

“The inherent ability to self-regulate at a temperature level below the maximum product rating and withstand temperature of the insulating materials, without the need for temperature control.”

Other manufacturers self-regulating products are typically limited to a maximum energised temperature, typically 65°C at which point, their retained power output prevent the cable from self-regulating at its own limiting temperatures. All such products require temperature control to ensure their own temperature safety.



*FLVw-CF is supplied with a black fluoropolymer outer-jacket.*



The Heat Tracing Authority™



## SPECIFICATION

**MAXIMUM CONTINUOUS EXPOSURE TEMPERATURE (Power ON):** 85°C (185°F)

**MAXIMUM PERMISSIBLE EXPOSURE TEMPERATURE (Power OFF):** 85°C (185°F)

**MINIMUM OPERATING TEMPERATURE:** -40°C (-40°F)

**MINIMUM INSTALLATION TEMPERATURE:** -40°C (-40°F)

**POWER SUPPLY:** 12 - 24V AC or DC

**TEMPERATURE CLASSIFICATION:** T6 (85°C)

**INGRESS PROTECTION:** IP67

### WEIGHTS & DIMENSIONS:

Type Ref	Dimensions (mm) +/-0.5	Weight kg/100m	Min Bending radius	Gland Size
FLVw-C	11.75 x 4.75	9.5	30mm	M20
FLVw-CT	12.95 x 5.95	11.8	35mm	M20
FLVw-CF	12.65 x 5.65	12.6	35mm	M20

### APPROVAL DETAILS:

ATEX	CML 19ATEX3384
IECEX	CML 19.0127
EAC	EA3C RU C-GB.HA65.B.01383/22

### ORDERING INFORMATION:

Example: **12 FLVw 24 - C T**

Output 12W/m at 10°C  
 FREEZSTOP LOW VOLTAGE WIDE  
 Supply Voltage 22 - 24V AC/DC  
 Metal Braid  
 Thermoplastic Outerjacket

### ATEX & IECEX MARKINGS:

Ex II 2GD  
 Ex 60079-30-1 IIC T4 Gb  
 Ex 60079-30-1 IIIC T135°C Db  
 Ex 60079-30-1 IIC T6 Gb  
 Ex 60079-30-1 IIIC T85°C Db

EN 60079-0:2018  
 EN 60079-30-1:2017

### ACCESSORIES:

Heat Trace supply a complete range of accessories including termination/splice kits, end seals, junction boxes and controls. Such items carry separate approvals from the heating cables. Use only approved components, as per system certification.

### MAXIMUM LENGTH (m) vs. CIRCUIT BREAKER SIZE:

The following circuit details relate specifically to the trace heating of pipework and equipment. For any other application consult Heat Trace.

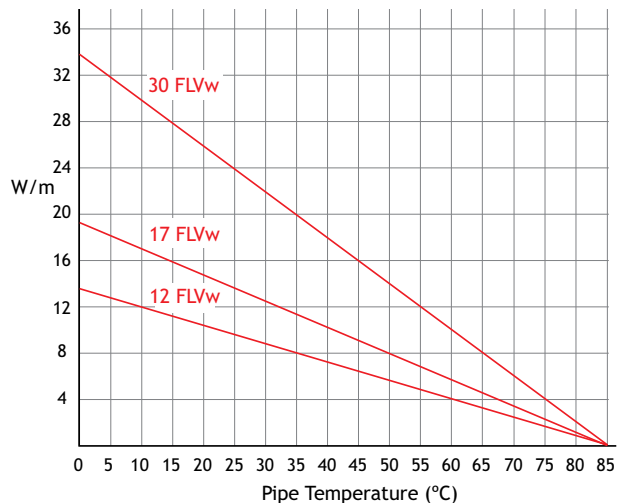
Cat Reference	Start-up Temperature	24V			
		6A	10A	16A	20A
12FLVw	5°C	8	14	18	-
	0°C	8	12	18	-
	-20°C	6	12	16	-
	-40°C	6	10	14	-
17FLVw	5°C	6	8	14	16
	0°C	4	8	12	14
	-20°C	4	6	10	14
	-40°C	4	6	10	12
30FLVw	5°C	4	6	10	12
	0°C	4	6	8	10
	-20°C	2	4	8	10
	-40°C	2	4	6	8

Residential buildings	Commercial buildings	Industry and Infrastructure
MCB's certified IEC 60898-1	MCB's certified according both IEC 60898-1 & IEC 60947-2	

### THERMAL RATINGS:

Nominal output at 12V or 24V when FLVw is installed on thermally insulated carbon steel pipes.

Note: Please refer to Evolution for more precise power output values as a function of pipe temperature.



### FURTHER INFORMATION:

Please consult the appropriate termination instructions and the Heat Trace Design, Installation & Maintenance Manual (HTDIMM 010) for further details.



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