

SPECIFICATION

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

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

MINIMUM OPERATING TEMPERATURE: -65°C* (-85°F)

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

POWER SUPPLY: 1 - 24V AC or DC

TEMPERATURE CLASSIFICATION: T6 (85°C)

MAXIMUM RESISTANCE OF PROTECTIVE BRAIDING: 18.2 Ohm/km

WEIGHTS & DIMENSIONS:

Type Ref	Dimensions (mm) +/-0.5	Weight kg/100m	Min Bending radius	Gland Size
FLV	8.3 x 3.7	5.0	25mm	M20
FLV-C	9.3 x 4.7	11.0	30mm	M20
FLV-CT	10.5 x 5.9	10.0	35mm	M20
FLV-CF	10.2 x 5.6	11.0	35mm	M20
FLVw	10.75 x 3.75	5.8	25mm	M20
FLVw-C	11.75 x 4.75	11.2	30mm	M20
FLVw-CT	12.95 x 5.95	13.2	35mm	M20
FLVw-CF	12.65 x 5.65	13.4	35mm	M20

APPROVAL DETAILS:

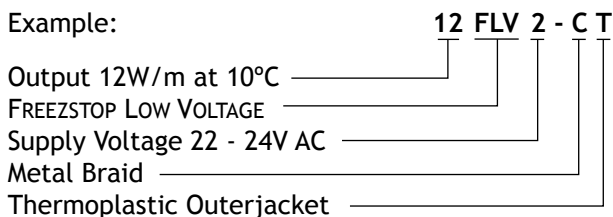
ATEX	- FLV:	Sira 12ATEX3115
	- FLVw:	Sira 12ATEX3113
IECEX	- FLV:	SIR 11.0130
	- FLVw:	SIR 11.0122
EAC*	- TC RU C-GB.ГБ05.B.00186	

ORDERING INFORMATION:

Options

FLV-C	Continuous conductive covering of metal braid.
FLV-CT	Thermoplastic outer jacket over a metal braid provides additional protection.
FLV-CF	Fluoropolymer outer jacket over a metal braid provides protection where corrosive chemical solutions or vapours may be present.

Example:



MAXIMUM LENGTH (m) vs. CIRCUIT BREAKER SIZE:

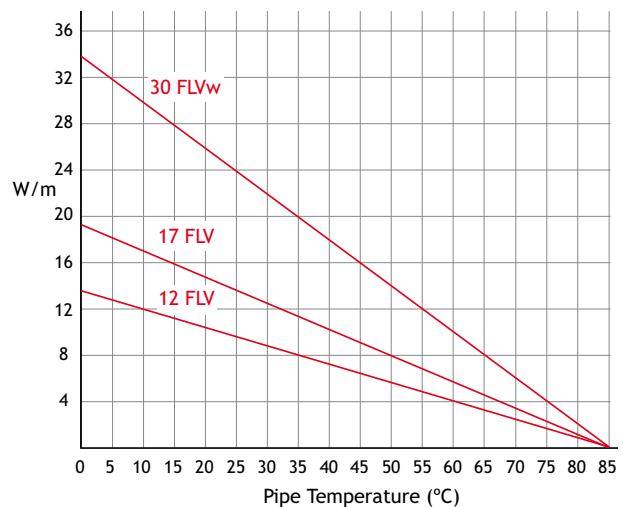
The following circuit details relate specifically to the trace heating of pipework and equipment. For any other application consult Heat Trace.

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

For use with Type C circuit breakers to IEC 60898

THERMAL RATINGS:

Nominal output at 12V or 24V when FLV is installed on thermally insulated carbon steel pipes, being fixed with aluminium fixing tape. Note: Please refer to Evolution for more precise power output values as a function of pipe temperature.



ACCESSORIES:

ProTherm supplies 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.

FURTHER INFORMATION:

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