



heat tracing specialists

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Romans 10:11 For whosoever believes on Him shall not be ashamed.

FLV LOW VOLT SELF-REGULATING



1. 16 AWG Buss Wires
2. Conductive Core
3. Polyolefin Jacket
4. Tinned Copper Braid
5. Optional Overjacket




Heat Trace

FLV low voltage self-regulating heater cable is designed to operate off low voltage power sources such as 12VDC and 24VDC. FLV heater cable can be used for freeze protection and low process temperature in various applications. FLV is ATEX approved for use in class 1 division 2 areas. FLV heater cables can maintain temperatures up to 150°F and have an intermittent exposure temperature of 185°F when de-energized. The standard thermoplastic R jacket offers corrosion resistance against certain inorganic chemicals, while the fluoropolymer T jacket protects the cable from both organic and inorganic chemicals. Either jacket offers exceptional protection against impact damage, abrasion and wet environments. As with all parallel type heater cables FLV can be cut to length in the field using standard electrical tools and will not overheat or burnout when overlapped.

FLV low volt heater cables provide freeze protection and low temperature process for fluid transport and storage systems. FLV heater cables are ideal for off-grid heating of oil & gas automation, well sites, aerials, parabolic dishes, solar panels, agricultural, feed lots, mechanical, HVAC, gardening & nurseries, zoological, automotive DC systems for fluid control, de-icing and many other applications where line voltage is inaccessible.

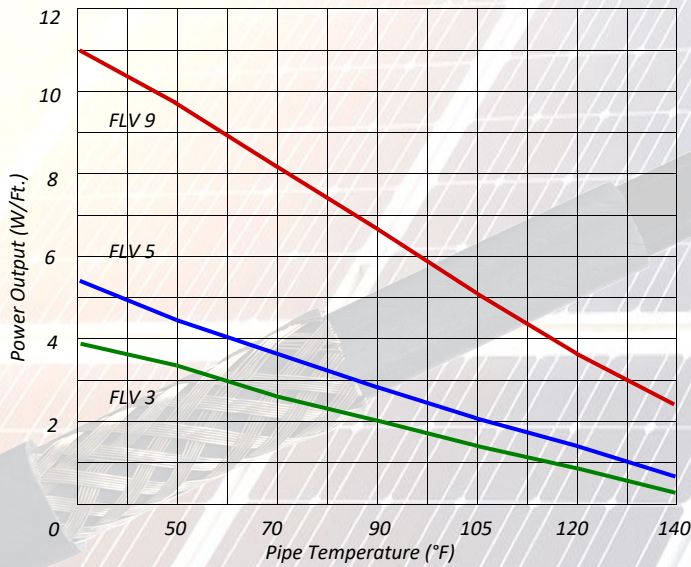
ATEX:
Certificates:
SIRA 12ATEX3113
SIRA 12ATEX3115



Note: For heater cable applications refer to National Electric Code Article 427 Fixed electric heating for pipelines and vessels.

| Example Configuration | | FLV 5-1 R | | Weight/1000' | | Dimensions | |
|-----------------------|----------|-------------|------------------------|--------------|---------|-------------|-------------|
| FLV | Wattage | Voltage | Braid/Jacket | 3W-5W | 9W | 3W-5W | 9W |
| | 3, 5, 9* | 1=12VAC/VDC | R=Rubber Jacket | 69 Lbs. | 79 Lbs. | 0.41"x0.23" | 0.51"x0.23" |
| T Rating | T-6 | 2=24VAC/VDC | T=Fluoropolymer Jacket | 74 Lbs. | 85 Lbs. | 0.41"x0.23" | 0.51"x0.23" |

* FLV 9 used for special applications only. For details of circuit lengths and startup currents contact TAD & Associates, Inc. T rating per 1999 NEC Table 500-5(d).



| | |
|---------------|---------------------------|
| PL-1SR | Power Connection Kit |
| EC-1SR | End Termination Kit |
| ESK-SR | Inline Splice Kit (14AWG) |
| TSK-14 | Tee Splice Kit (14AWG) |
| AL-1 | Aluminum Tape |
| FG-1 | Fiberglass Tape |
| | |
| | |
| | |

Note: Not all accessories are listed. See catalog for additional listings.

| Typical Heaters | 40°F Start-Up (Ft.) | | | | 0°F Start-Up (Ft.) | | | | -40°F Start-Up (Ft.) | | | |
|-----------------|---------------------|-----|-----|-----|--------------------|-----|-----|-----|----------------------|-----|-----|-----|
| | 6A | 10A | 16A | 20A | 6A | 10A | 16A | 20A | 6A | 10A | 16A | 20A |
| FLV 3-12 | 13 | 23 | 32 | 35 | 9 | 16 | 26 | 29 | 6 | 13 | 19 | 24 |
| FLV 3-24 | 26 | 46 | 65 | 70 | 19 | 32 | 52 | 58 | 13 | 26 | 39 | 44 |
| FLV 5-12 | 9 | 13 | 23 | 26 | 6 | 13 | 19 | 23 | 6 | 10 | 16 | 19 |
| FLV 5-24 | 19 | 26 | 46 | 52 | 13 | 26 | 39 | 46 | 13 | 20 | 33 | 39 |
| FLV 9-12 | 6 | 9 | 16 | 19 | 6 | 8 | 13 | 16 | 3 | 6 | 9 | 13 |
| FLV 9-24 | 13 | 19 | 32 | 39 | 13 | 19 | 26 | 32 | 6 | 13 | 19 | 26 |