

FBX

Self-regulating heating cable for high temperature process flow control



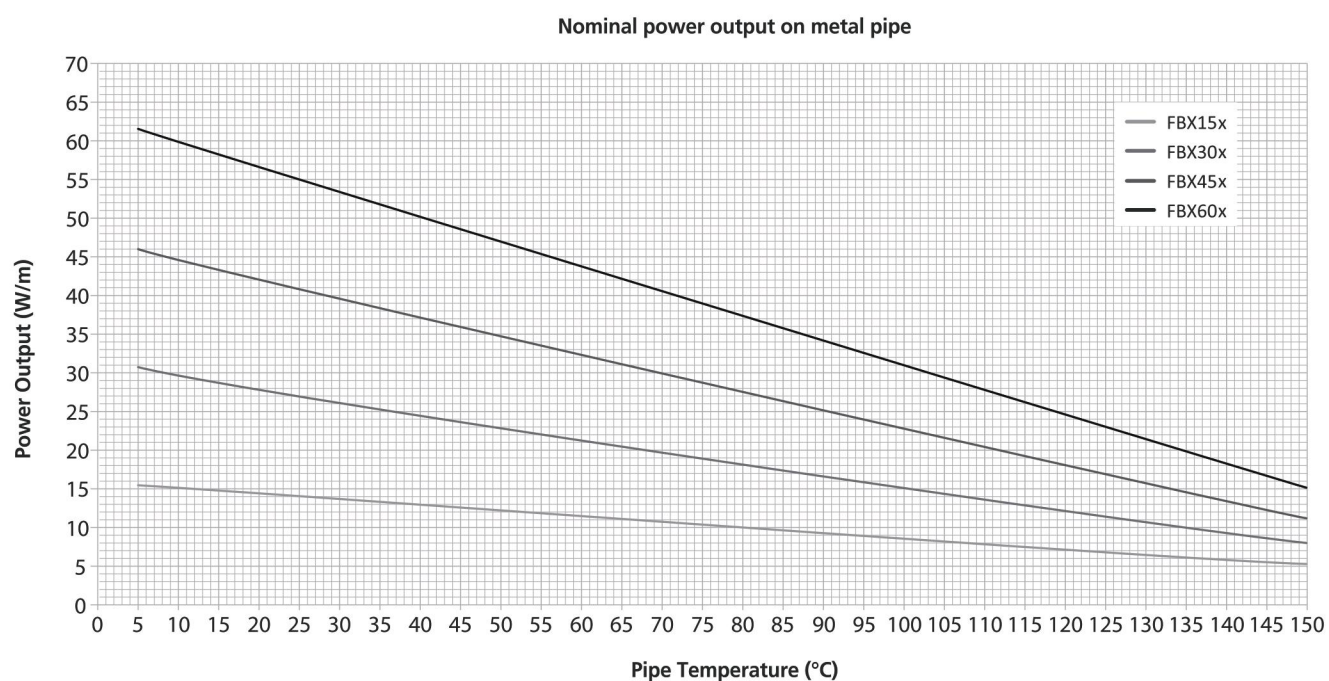
Use	Freeze protection for various pipeline under steam purging process. Temperature maintenance for petrochemical and gas plant. Medium or heavy duty heat-up process ex) hopper heater. Use in hazardous and non-hazardous location.								
Specification	Max. maintain temperature (Power-on) 150°C (302°F) Use in hazardous and non-hazardous location Max. withstand temperature (Power-off) 200°C (392°F) Min. installation temperature -60°C Temperature classification (T- rating) FBX15x, 30x, 45x : T3 (200°C) FBX60x : T2 (220°C) Rated voltage : 100 ~ 120 Vac, 200 ~ 277 Vac Rated power output : 15, 30, 45 and 60 watt/m@10°C Dimension(nom.) : 12.2mm x 4.8mm Parallel conductors - ASTM B355 Class 2 NPC AWG16 (1.5mm²) Outer jacket Fluoropolymer(CT) : Exposure to organic chemicals or corrosives								
Features	It will not burn out or overheat when overlapped. It self-regulates thermal performance in response to temperature. It can be cut to any length to suit any installation condition. Independent heat output control along the length. Soft power switching for energy saving as well as longer service life. Easy termination for power connection and splicing.								
Selection Code	FBX 30 2 - C T ① ② ③ ④ ⑤ <table border="1"> <tr> <td>①</td><td>Model</td></tr> <tr> <td>②</td><td>Rated output 15, 30, 45 and 60 watt/m@10°C</td></tr> <tr> <td>③</td><td>Rated voltage 1 : 100 ~ 120 Vac, 2 : 200 ~ 277 Vac</td></tr> <tr> <td>⑤</td><td>Outer jacket T : Fluoropolymer</td></tr> </table>	①	Model	②	Rated output 15, 30, 45 and 60 watt/m@10°C	③	Rated voltage 1 : 100 ~ 120 Vac, 2 : 200 ~ 277 Vac	⑤	Outer jacket T : Fluoropolymer
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Certification	      								

Product drawing



- Parallel conductors Nickel plated copper wire
- Polymeric heating element Fluoropolymer + C/B
- Primary insulation Fluoropolymer
- Earthing Braided nickel plated or tin plated copper wire
- Outer jacket Fluoropolymer

Power output graph



Circuit design guide

Breaker size(A) Product code	Start-up Temp. -20°C						Start-up Temp. 0°C						Start-up Temp. 10°C					
	10A	16A	20A	25A	32A	40A	10A	16A	20A	25A	32A	40A	10A	16A	20A	25A	32A	40A
FBX152-CT	67	107	134	138	138	138	78	125	149	149	149	149	80	128	151	151	151	151
FBX302-CT	44	70	88	110	112	112	46	74	92	114	114	114	48	77	97	117	117	117
FBX452-CT	31	50	63	79	94	94	33	53	66	83	97	97	35	56	69	87	99	99
FBX602-CT	25	39	49	61	79	84	26	42	52	65	83	86	27	43	54	68	87	88

Max. circuit length(m) at 230Vac based on starting temp. (°C) and typical Type C circuit breaker size (Amps).