

Features

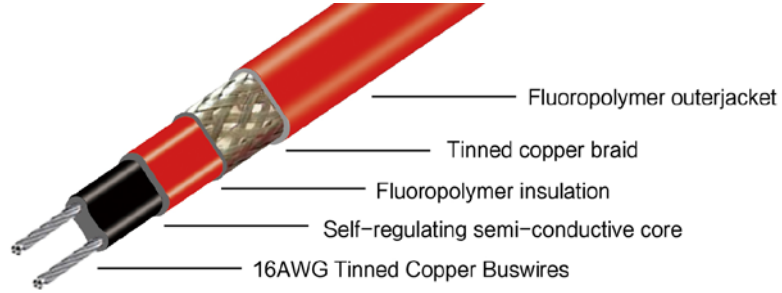
- Energy efficient, automatically varies its power output in response to pipe temperature changes.
- Easy to install, can be cut to any length(up to max circuit length) required on site with no wasted cable.
- Lower installed cost than steam tracing, less maintenance expense and less downtime.
- No overheat or burnout even when wrapped over itself(overlapped).
- Suitable for use in non-hazardous, hazardous and corrosive environments.
- To use power connection, splice, tee and end seal kit will reduce installation time.

Description

FSH increasing or decreasing the heat output in a self-regulating way depending on the change of the ambient temperature, so a thermostat may not necessary in some applications and it will never overheat or burnout even when wrapped over itself(overlapped). With optional outerjacket, the heating cable is resistant to watery and inorganic chemicals and protect against abrasion and impact damage. FSH is suitable for use in explosion-hazardous areas up to a maximally admissible work-piece temperature of +150°C. **Form Müh.** provide termination, power connection, splice, tee and end seal kit will reduce installation time and require no special skills or tools.

Appliance

FSH is an industrial grade, self-regulating parallel heating cable (heating tape) to BS6351 Grade 22 that can be used for applications ranging from process heating or maintenance of temperature up to 150°C. It can be used in hazardous and non-hazardous locations, including areas where corrosives may be present.



Options

FSH...C Tinned copper braid provide additional mechanical protection and a positive ground path.

FSH...CT High Temperature Fluoropolymer overjacket are used for exposure to organic or corrosive solutions or vapors may be present.

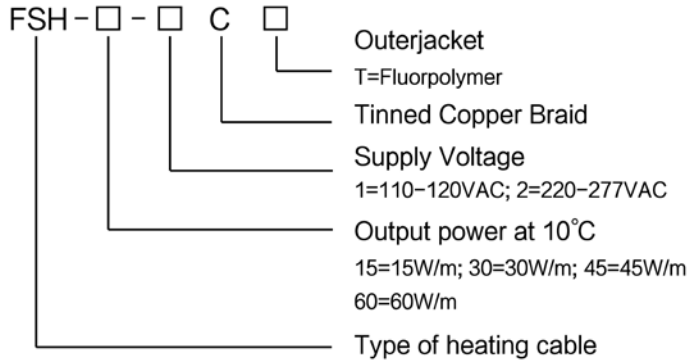
Technical data

Service voltage	110-120V,220-277V
Maximum maintain or continuous exposure temperature(power on)	+120°C (248°F)
Maximum intermittent exposure Temperature, 1000 hours(power on or off)	+200°C (392°F)
Minimum installation temperature	-30°C (-22°F)
Protective braid resistance	< 18.2Ω/km
Bus wire gauge	16AWG
Approvals	CE GOST ATEX IECEx

Dimension and weight

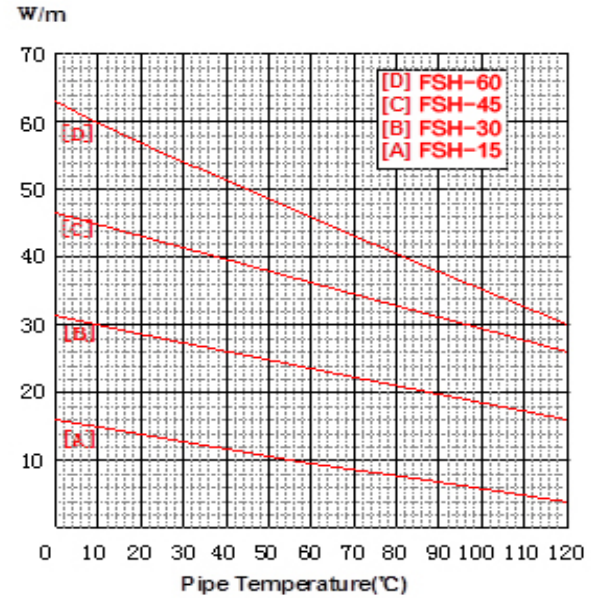
Type	Dimension	Min.bending radius	Weight (kg/100m)
FSH...C	9.2×3.6mm	21mm	11.2
FSH...CT	10.2×4.6mm	27mm	14.0

Product ordering information



Power output curves

Nominal power output at 230V when FSH installed on insulated metal pipes.



Maximum length(m) vs circuit breaker size

Minimum Start-up temperature	CB size Amps	15FSH 230V		30FSH 230V		45FSH 230V		60FSH 230V	
		ft	m	ft	m	ft	m	ft	m
10°C(50°F)	10	240	73	146	45	100	31	77	23
	16	360	109	236	72	150	46	115	35
	20	479	146	295	89	200	61	150	46
	30	518	158	440	134	285	87	230	70
	40	531	162	510	155	380	116	306	93
0°C(32°F)	10	220	67	138	42	93	28	70	21
	16	350	106	220	67	130	39	110	34
	20	430	130	280	85	180	55	142	43
	30	490	150	400	122	270	82	210	64
	40	510	155	480	146	350	107	286	87
-20°C(-4°F)	10	210	64	130	39	83	25	67	20
	16	315	96	195	59	125	38	100	30
	20	380	115	260	79	165	50	135	41
	30	480	146	364	111	250	76	200	122
	40	500	152	440	134	335	110	265	81
-40°C(-40°F)	10	180	54	116	35	80	24	63	19
	16	285	87	175	53	120	36	95	29
	20	360	38	235	72	160	49	125	38
	30	450	108	350	107	240	73	190	58
	40	480	146	460	140	320	97	250	76