

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.

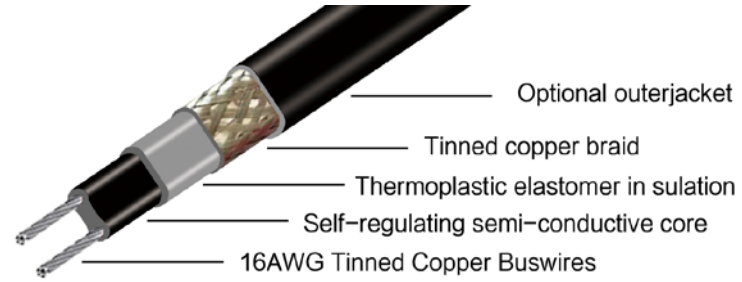
Description

FSL 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. FSL is suitable for use in explosion-hazardous areas up to a maximally admissible work-piece temperature of +65°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

FSL-xx-Cx is self-regulating parallel heating cable (heating tape) is designed for residential and commercial metal and plastic pipe freeze protection and roof and gutter de-icing applications. It is ideal for use in maintaining fluid flow under low ambient. freeze protection and low watt density process temperature systems such us pipelines, fire protection, process water, dust suppression systems, hot water and structure anti-icing are typical applications for this product. A UV stabilized thermoplastic elastomer overjacket is provided to cover the braid for wet applications and exposure



Options

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

FSL...CR Flame retardant thermoplastic overjacket protect against certain inorganic chemical solutions, it also protect against abrasion and impact damage.

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

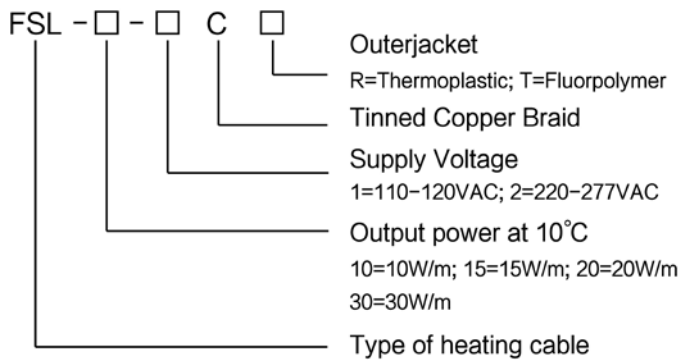
Technical data

Service voltage	110-120V; 220-277V
Maximum maintain or continuous exposure temperature(power on)	+65°C(149°F)
Maximum intermittent exposure Temperature, 1000 hours(power on or off)	+85°C(185°F)
Minimum installation temperature	-40°C(-40°F)
Protective braid resistance	< 18.2Ω/km
Bus wire gauge	16AWG
Approvals	cULus CE GOST ATEX IECEX

Dimension and weight

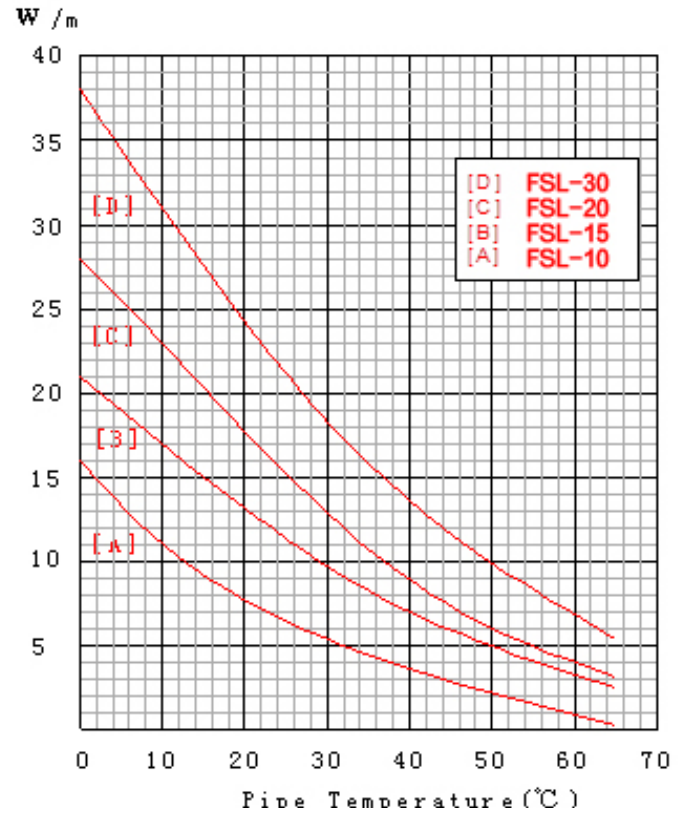
Type	Dimension	Min.bending radius	Weight (kg/100m)
FSL...C	9.3x4.4mm	26mm	9.7
FSL...CR	10.9x6.0mm	36mm	11.0
FSL...CT	10.3x5.4mm	32mm	9.5

Product ordering information



Power output curves

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



Maximum length(m) vs circuit breaker size

Minimum Start-up temperature	CB size Amps	FSL10 230V		FSL15 230V		FSL20 230V		FSL30 230V	
		ft	m	ft	m	ft	m	ft	m
10°C(50°F)	10	426	130	360	110	255	78	190	58
	16	583	178	469	143	406	124	301	92
	20	623	190	547	167	459	140	334	102
	30	623	190	547	167	480	146	426	130
0°C(32°F)	10	396	121	331	101	229	70	170	52
	16	547	167	459	140	351	107	275	84
	20	557	170	518	158	406	124	321	98
	30	580	175	523	159	485	148	334	102
-20°C(-4°F)	10	308	94	262	80	173	53	114	35
	16	459	140	410	125	288	88	170	52
	20	502	153	456	139	354	108	216	66
	30	548	167	460	140	420	128	275	84
-40°C(-40°F)	10	246	75	226	69	141	43	91	28
	16	393	120	354	108	223	68	147	45
	20	456	139	360	110	285	87	173	53
	30	460	140	387	118	301	92	203	62