SFC

Teflon insulated series resistance heating cable for industrial heat-up application

Use	Freeze protection or temperature maintenance of long distance pipeline. Freeze protection or temperature maintentance of vessel and tank. Freeze protection for chemical feeding or transportation line.
Specification	Max. continuous exposure temperature (Power-on) 150°C (302°F) Max. intermittent exposure temperature (Power-off) 250°C (482°F) Rated voltage : 600 Vac Max. heat density 40 watt/m Cable size varies depending on conductor size Various conductor size and outjacket selection Non hazardous and hazardous location Circuit length up to 4,000m Outer jacket T : High temperature fluoropolymer
Features	Easy operation and fast response. Heat tracing up to 4km with single power source. Flexible and excellent mechanical strength. Excellent resistance to heat, oil and chemicals. Long service life. Save cabling cost and installation cost. No inrush current.
Selection Code	SFC ⓐ L ⓑ 25 ⓒ - C T ⓓ
Certification	CE

ⓐ	Model
ⓑ	None : Heating cable / L : Cold lead cable
ⓒ	dc resistance ohm/km at 20°C
ⓓ	Outer jacket T : Fluoropolymer

Product drawing

Conductor	Tin plated copper wire
Primary insulation	Fluoropolymer
2nd Insulation	Braided glassfiber
Earthing	Braided tin plated copper wire
Outer jacket	High temperature fluoropolymer

Installation detail

Product Code	Heating Element	Conductor Diameter (mm)	Dc resistance ohm/km@20°C	Cable Diameter (mm)
SFC1.7-CT	Copper	4.10	1.74	6.78
SFC2.9-CT	Copper	3.20	2.92	5.88
SFC4.5-CT	Copper	2.80	4.55	5.48
SFC7.1-CT	Copper	2.00	7.08	4.68
SFC11.3-CT	Copper	1.60	11.28	4.28
SFC14.8-CT	Copper	1.40	14.74	4.08
SFC18.9-CT	Copper	1.40	18.95	4.08
SFC30.5-CT	Copper-Nickel Alloy	1.65	30.53	4.33
SFC42.6-CT	Copper-Nickel Alloy	1.40	42.63	4.08
SFC74.2-CT	Copper-Nickel Alloy	1.50	74.21	4.18
SFC98.4-CT	Copper-Nickel Alloy	1.60	96.63	4.28
SFC148.9-CT	Copper-Nickel Alloy	1.30	150.23	3.98
SFC196.3-CT	Copper-Nickel Alloy	1.60	196.32	4.28
SFC297.4-CT	Copper-Nickel Alloy	1.30	297.37	3.98
SFCL-2.5	Copper	2.00	7.08	4.68
SFCL-4	Copper	2.80	4.55	5.48
SFCL-6	Copper	3.20	2.92	5.88
SFCL-10	Copper	4.10	1.74	6.78
SFCL-16	Copper	5.20	1.03	7.88
SFCL-25	Copper	6.50	0.71	9.18

Tank and vessel heating

In extreme weather condition, heat-up or temperature maintenance of tank or vessel requires an outstanding performance together with ultimate energy efficiency. Solco Pyroelec SFC heating cable and relevant components show outstanding thermal endurance and mechanical strength up to 250°C. Also it has no inrush current so as to save cabling cost.